

NEWSPACE MARKET · SECTOR CATALOGUE

OBC & Avionics

Every unit we list in this sector — specifications, manufacturers and where to ask for a quote. Compiled from the live NewSpace Market catalogue.

251

PRODUCTS

96

MANUFACTURERS

31

COUNTRIES

99

WITH DATASHEETS

newspacemarket.com/catalogues/obc-avionics/

as of 17 August 2026

What is inside

This catalogue lists **251 obc & avionics products** offered by **96 manufacturers** across **31 countries**. Of those, 99 carry a manufacturer datasheet and 17 publish a price; the rest are quoted on request — normal in this market, where configuration drives cost.

Entries are grouped alphabetically by manufacturer. Every product links back to its page on [newspacemarket.com](#), where you will find the full specification, the datasheet and a quote form that reaches the manufacturer directly.

Compiled 17 August 2026 from the live catalogue. Specifications are as published by the manufacturers; we normalise units but do not re-measure. Where a figure looked implausible it was left out rather than guessed.

Manufacturers by country

United States 25	Italy 7	Germany 7	Spain 5	China 5	India 5	United Kingdom 4
France 3	Sweden 3	Denmark 3	Australia 2	Ireland 2	South Korea 2	Belgium 2
Russia 2	Poland 2	Czech Republic 2	Luxembourg 1	Norway 1	Greece 1	Bulgaria 1
Lithuania 1	New Zealand 1	Israel 1	Switzerland 1	Slovenia 1	Japan 1	Slovakia 1
Singapore 1	Argentina 1	Canada 1				

All products at a glance

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
A445 IBOX Radiation Tolerant Engine Controller	Aitech Systems	United States	Control Logic: FPGA (radiation-tolerant, user-reprogrammable)	on request
A664 FPGA IP Core	Beijing Huali Chuangtong Technology Co., Ltd.	China	—	on request
A664 Network Analyzer	Beijing Huali Chuangtong Technology Co., Ltd.	China	—	on request
A664 Signal Switch	Beijing Huali Chuangtong Technology Co., Ltd.	China	—	on request
A664 Stimulus/Acquisition Card	Beijing Huali Chuangtong Technology Co., Ltd.	China	—	on request
A664 Switch (100 Mbps)	Beijing Huali Chuangtong Technology Co., Ltd.	China	—	on request
A664 Switch (Gigabit)	Beijing Huali Chuangtong Technology Co., Ltd.	China	—	on request
ABACUS On-Board Computer	GAUSS Srl	Italy	Cores: Two cores (MCU MSP430 and FPGA Spartan-3E) directly interconnected w...	on request
Absolute Pressure Sensor Vt 222M	Glavkosmos	Russia	Range of measurements, mm Hg: 0-20; 0-40; 0-80; 0-160; 0-250; 0-460; 0-760;...	on request
ADS	Unibap Space Solutions AB	Sweden	iX10 ADS-X2 CPU: AMD Ryzen V1000	on request
Aether Software Platform	Aethero	United States	Deployment: Cloud + Edge (cloud.aethero.com)	on request
AMATDT	Aethero	United States	Deployment Target: Aethero Edge Computing Modules (NxN-ECM, NxN-ECM)	on request
Andromeda: Guidance, Navigation & Control (GNC) Software	Saturn Space	United States	Compatible Orbits: GEO, MEO, LEO	on request
Andromeda: Guidance, Navigation & Control (GNC) Software	Saturn Satellite Networks	United States	Compatible Orbits: GEO, MEO, LEO	on request
Angular accelerometer	Glavkosmos	Russia	Purpose: Working as part of a gyro-stabilized platform.	on request
Antartix – Computadora OBC	VENG S.A.	Argentina	FACTOR DE FORMA: PCI/104-Express totalmente compatible	on request
Antelope Advanced Data Processing Unit	KP Labs	Poland	Processor: AMD Zynq UltraScale+ MPSoC (ZU2/3/4/5 variants)	on request
Aptos	Aptos Orbital	United States	Years in space: 5.5	on request
ASTROFEIN GPS receiver unit- ARGO	EXA (Astro-und Feinwerktechnik)	Germany	Frequency: GPS L1 Band, C/A code	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Asynchronous controlled electric motor	Glavkosmos	Russia	Purpose: The asynchronous controlled electric motor is designed for automat...	on request
Aurora 1000 Satellite-Borne Intelligent Computer	Zhongke Tiansuan (Comospace)	China	On-orbit operation: 1,000+ cumulative days (multiple satelllites)	on request
Avionic Systems	Data Patterns (India) Ltd.	India	–	on request
Baize Integrated Electronics System	Hongqing Technology (鸿蒙科技)	China	Functions: Attitude control, power management, thermal control, telemetry/t...	on request
BRAVO-II Motor Controller	Motiv Space Systems	United States	Axis: Dual Axis Motor Controller Card	on request
Breakout Board Module	Pumpkin, Inc.	United States	SKU: 711-00380	\$255
CAVU CDH-FS	CAVU Aerospace	United Kingdom	Key System Features: Dual Cold/Hot Redundant OBC Modules	on request
CAVU OBC-1	CAVU Aerospace	United Kingdom	Expected Life-time: 3-5 years in LEO	on request
CDH-110	Berlin Space Technologies	Germany	Data Interfaces: RS422, SPI, PWM	on request
CDH-FS	CAVU Aerospace	United Kingdom	–	on request
CELESTE GNSS Receiver	Spacemanic s.r.o.	Slovakia	Operating temperature: -40°C to +85°C	on request
CFC-400XS Compact Flight Computer	Innoflight	United States	Processor board: Defense-grade Xilinx UltraScale+ MPSoC (GPP + FPGA)	on request
CFC-405XP / CFC-450XP Compact Flight Computer	Innoflight	United States	Processor board: Defense-grade Xilinx UltraScale+ MPSoC (GPP + FPGA)	on request
CFC-510P Compact Flight Computer	Innoflight	United States	Processor board: AMD Ryzen GPU	on request
CFC-600P Compact Flight Computer (AI/ML)	Innoflight	United States	Processor board: Defense-grade AMD Versal AI Edge adaptive SoC	on request
CM950 PMC Carrier Card for 3U CompactPCI SBCs	Aitech Systems	United States	Form Factor: Single-slot 3U CompactPCI	on request
CM951 PMC Carrier Card with Integrated MIL-STD-1553B	Aitech Systems	United States	Form Factor: Single-slot 3U CompactPCI	on request
Cockpit & Rugged Displays	Data Patterns (India) Ltd.	India	–	on request
CODE+ Software Defined Drive Electronics	RUAG Space	Switzerland	Architecture: Fully software-defined, radiation-tolerant microcontroller	on request
COMBO – Space-Grade Configuration Memory Boot Manager	3D Plus (HEICO)	France	Part Number: 3DC00849 / 3DMC00849	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Command and Data Handling (C&DH) System	Tyvak International S.r.l.	Italy	–	on request
Comospace Satellite Edge Computing Platform	Zhongke Tiansuan (Comospace)	China	Technology: In-orbit edge computing and AI processing	on request
Constellation On Board Computer (cOBC)	RUAG Space	Switzerland	Architecture: Complete subsystem based entirely on commercial components	on request
Constellation Remote Terminal Unit (cRTU)	RUAG Space	Switzerland	Function: Bridge between On-Board Computer and platform electronic interfaces	on request
Core Drive Electronics (CODE)	RUAG Space	Switzerland	Type: Two-axis stepper motor controller, modular and stackable	on request
COTS Boards	Data Patterns (India) Ltd.	India	–	on request
CP400.85	AAC Clyde Space	Sweden	TRL: 9	on request
CryptoSWIFT FIPS140-2	Tethers Unlimited, Inc. (AMERGINT)	United States	Built for: LEO small satellite missions	on request
CSP CubeSat Space Processor	Space Micro	United States	–	on request
CubeSat Kit Upgrade to C8051	Pumpkin, Inc.	United States	SKU: 711-00717	on request
CubeSat Kit Upgrade to dsPIC33	Pumpkin, Inc.	United States	SKU: 711-00719	\$5 455
CubeSat Kit Upgrade to MSP430	Pumpkin, Inc.	United States	SKU: 711-00716	on request
CubeSat Kit Upgrade to PIC24 (PIC24FJ256GA110)	Pumpkin, Inc.	United States	SKU: 711-00718	\$5 455
CubeSat Kit Upgrade to PIC24 (PIC24FJ256GB210)	Pumpkin, Inc.	United States	SKU: 711-00795	\$5 455
CubeSat OBC / ADCS Motherboard SXC-MB-04-ADC	SPUTNIX	Russia	Form factor: PC/104	on request
CubeSat Payload Controller	NanoAvionics	Lithuania	Type: Payload data / control unit	on request
DARA OBC — On-Board Computer	Alén Space	Spain	TRL: TRL-9 (Flight Heritage)	on request
Deep Thought	Spacemanic s.r.o.	Slovakia	Operating temperature: -40°C to +85°C	on request
Development Board (DB)	Pumpkin, Inc.	United States	SKU: 710-00297	\$1 710
Development Board 2 (DB2)	Pumpkin, Inc.	United States	Bus connectors: Two interconnected 104-pin CubeSat bus connectors with M3 s...	\$375
DP-OBC-0402 On Board Computer	Data Patterns (India) Ltd.	India	Processor: e200 core processor, dual core	on request
E-Series: Orbital DPUs	Edge Aerospace	Luxembourg	Function: Command & control, data handling, AI-	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
			enabled autonomy	
E193 1/2-ATR 3U VPX & CompactPCI Rugged Enclosure	Aitech Systems	United States	Form Factor: 1/2-ATR, 3U	on request
E900 8-Slot 3U CompactPCI Space Enclosure	Aitech Systems	United States	Slot Configuration: 8-slot 3U CompactPCI backplane	on request
E905 1/2 ATR 3U CompactPCI Space Enclosure	Aitech Systems	United States	Slot Configuration: 3-slot 3U CompactPCI	on request
EDDIE	Spacemanic s.r.o.	Slovakia	Operating temperature: -40°C to +85°C	on request
EDGX Sterna DPU — Onboard AI Compute powered by NVIDIA	EDGX	Belgium	Compute Architecture: NVIDIA Orin GPU	on request
EIDEL Remote Interface Unit (ERIU)	Eidel	Norway	Interfaces supported: SpaceWire, CAN bus, RS-422	on request
Electronic Design Services	ALTER Technology	Spain	PCB Substrate Types: FR4, IMS, flexible, rigid-flex	on request
Embedded Computing and OBC for Smallsats	CONTEC	South Korea	Products: Embedded SBCs, OBC modules, industrial IoT, data acquisition for ...	on request
Emtech AstroCore-R Onboard Computing Platform	Emtech Space	Greece	Radiation tolerance: Radiation-supervised design	on request
ESCC3503001 Space Clock Oscillator (XO)	Rakon Limited	New Zealand	Frequency Range: 4–100 MHz	on request
EXObox	Exolaunch	Germany	Maximum satellites managed per unit: 50	on request
FERMI OBC&DH Miniaturized Rad-Hard On-Board Computer	Argotec Srl	Italy	Type: On-Board Computer and Data Handling unit (OBC&DH)	on request
FG-1	CAVU Aerospace	United Kingdom	Input Voltage: Single 12V or 5V and 12V	on request
FLOTONE ONE	Cosmoleap	China	—	on request
Fortis™ VPX	Sidus Space, Inc.	United States	System components: SSBC (Quad-Core ARM, rad-hard PolarFire FPGA, 8GB DDR4),...	on request
FoX Electronics Platform	RUAG Space	Switzerland	Form factor: 3U SpaceVPX modular platform	on request
FoX Payload Processor	RUAG Space	Switzerland	Function: Control and data processing for payloads, instruments and robotics	on request
Fusio RT Space Computer Core	3D Plus (HEICO)	France	FPGA Resources: 550k ASIC gate equivalents (4,400,000 system gates)	on request
G-200 / G-510 Gyroscopes	ElmSpace	Germany	Models: G-200, G-510	on request
GR740	Gaisler	Sweden	TRL: 9	on request
GR740 Module (ICU CPU Module)	EREMS	France	Processor: GR740	on request
I/O LED Module	Pumpkin, Inc.	United States	SKU: 710-00521	\$360

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
IARE Aerospace Systems Laboratory	Institute of Aeronautical Engineering	India	Type: Research Laboratory	on request
ICE Cube — On-Board Computer Unit (OBCU)	N7 Space	–	Processor: LEON3 SPARC V8	on request
ICE-Lok Thermally Enhanced Wedge Locks	ACT (Advanced Cooling Technologies)	United States	Thermal Resistance Reduction vs. COTS: > 33%	on request
Insight4EO On-Board AI Processing	Deimos Space (Indra)	Spain	Processing type: On-board AI / edge processing	on request
Instrument Control Unit (ICU)	Kayser Space	Italy	Functions: Power distribution, command handling, data acquisition, communic...	on request
Integrated Circuit 1879 VM8Y	Glavkosmos	Russia	Package type: HFCBGA-1444	on request
Integrated Electronics Module (IEM)	Tiger Innovations, Inc.	United States	Power Consumption: 24 Watts	on request
Integrated EPS/OBC Bus Module	Aphelion Orbitals	United States	MPPT inputs: 5 with 40W input capacity	on request
IOI-8 Input/Output Interfaces Module	Innoflight	United States	Interfaces: 4x 2.5GBase-T (2.5 GbE), 4x 1000Base-T (GbE)	on request
IP & MM (Industry Pack and M-Module Modules)	Data Patterns (India) Ltd.	India	DP-IP-3039: 48 Channel Digital I/O IP Module	on request
IPC-7000 Image Processing Computer	Space Micro	United States	–	on request
IPC-8000 VPX Image Processing Computer	Space Micro	United States	–	on request
iX5	Unibap Space Solutions AB	Sweden	Flight heritage: 5 missions launched	on request
KAM/CSB/12U Smart Backplane Chassis	Curtiss-Wright Defense Solutions	United States	Slots: 12	on request
Kryten-M3 & Kryten-M3 PLUS	AAC Clyde Space	Sweden	Design Life: 5 years in LEO	on request
LCS MiniNODE Industrial Computing System	LiquidCool Solutions	United States	CPU: AMD Ryzen 5 5600G (6C/12T, 4.4 GHz boost)	on request
MA61C cPCI	Space Products and Innovation (SPiN)	Italy	Interfaces supported: SpaceWire, I2C, CAN, RS422, RS232, MIL-STD-1553B, GPIO	on request
MA61C CubeSat	Space Products and Innovation (SPiN)	Italy	Interfaces supported: SpaceWire, I2C, SPI, CAN, RS422, RS485, RS232, GPIO	on request
MA61C SmallSat	Space Products and Innovation (SPiN)	Italy	Interfaces supported: SpaceWire, MIL-STD-1553, I2C, SPI, CAN, RS422, RS485, ...	on request
MASTER Cubesat On-Board Computer	2NDSpace Srl	Italy	Processor: Dual core: Cortex M7 480MHz + Cortex M4 240MHz	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
MASTER II Next Generation Satellite OBC	2NDSpace Srl	Italy	Architecture: Modular, separated control and computing layers	on request
MASTER-CHIEF Extended On-Board Computer	2NDSpace Srl	Italy	Processor: Dual core: Cortex M7 480MHz + Cortex M4 240MHz	on request
MASTER, MASTER-CHIEF, MASTER-II Cubesat On-Board Computers	2NDSpace Srl	Italy	Processor (MASTER): Dual core (Cortex M7 480MHz, Cortex M4 240MHz)	on request
Modular ICU (On-Board Computer Architecture)	EREMS	France	FPGA: NG-MEDIUM	on request
Motherboard	Glavkosmos	Russia	Purpose: Designed for satellite control. Provides satellite stabilization.	on request
Motherboard (w/Raspberry-Pi, Soft, and ADCS-controller)	Glavkosmos	Russia	Purpose: Satellite control with ADCS – stabilization and target algorithm e...	on request
Motherboard (w/set of Sensors, Raspberry-Pi and Soft)	Glavkosmos	Russia	Purpose: Designed for satellite control. Provides satellite stabilization a...	on request
Motherboard Module (MBM)	Pumpkin, Inc.	United States	Price: \$1,575.00	\$1 575
Motherboard Module 2 (MBM2)	Pumpkin, Inc.	United States	Processor: 1 GHz ARM Cortex-A8 (BeagleBone Black)	\$7 225
MTE-110 Mission Timing Electronics	Innoflight	United States	Clock: Embedded Chip Scale Atomic Clock (CSAC)	on request
MuCore	Muon Space	United States	Architecture: Software-defined Network-on-Chip (NoC)	on request
Multi-Purpose Drive Electronics (MPDE)	RUAG Space	Switzerland	Type: Two-axis stepper motor controller	on request
Multiband GNSS Module with Antenna M-GNSSB-ANT-RX	Arralis	Ireland	GNSS Bands: GPS L1, BeiDou B1 (1560-1610 MHz)	on request
Multiband GNSS OEM Receiver Board M-GNSSB-RX	Arralis	Ireland	GNSS Bands: GPS L1, BeiDou B1 (1560-1610 MHz)	on request
NANOhpc-AI	SkyLabs d.o.o.	Slovenia	Standard: ISO 19683, IPC Class 3+	on request
NANOhpc-DPU	SkyLabs d.o.o.	Slovenia	Standard: ISO 19683, IPC Class 3+	on request
NANOhpc-obc	SkyLabs d.o.o.	Slovenia	Standard: ISO 19683, IPC Class 3+	on request
NANOhpm-obc	SkyLabs d.o.o.	Slovenia	Standard: ISO 19683, IPC Class 3+	on request
NANOif-2	SkyLabs d.o.o.	Slovenia	Standard: ISO 19683, IPC Class 3+	on request
NanoMind A3200	GomSpace	Denmark	Form Factor: PC104 (9.0 cm x 9.6 cm)	on request
NanoMind A3200 On-Board Computer	GomSpace	Denmark	Type: On-board computer (C&DH)	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
NANOobc-2	SkyLabs d.o.o.	Slovenia	Standard: ISO 19683, IPC Class 3+	on request
Nanosatellite Onboard Computer	Glavkosmos	Russia	Year of release: 2016	on request
NewSpace Compact Master Reference Oscillator	Rakon Limited	New Zealand	Output frequency: 100MHz/200 MHz	on request
Next Generation On Board Computer (OBC NG)	RUAG Space	Switzerland	Core ASIC: Radiation-hardened CREOLE chip developed by Beyond Gravity	on request
Nexus-01 Edge-AI Onboard Computer	Akula Tech	Australia	Compute module: NVIDIA Jetson TX2i	on request
NOVI Space Compute and AI Infrastructure	Novi	United States	Flight heritage: Supported missions for the U.S. Air Force and the Missile ...	on request
NxA-ECM	Aethero	United States	Processor: Nvidia AGX Thor or Orin	on request
NxN-ECM	Aethero	United States	Processor: Nvidia Orin NX or Nano	on request
NxN-ECM (Nvidia-NX/Nano Edge Computing Module)	Aethero	United States	Base Processor: Nvidia Orin NX or Nano	on request
OBC	Space Inventor ApS	Denmark	MSRP: €9,000	\$9 000
OBC PolarFire VPX	CAVU Aerospace	United Kingdom	–	on request
OBC-104	CAVU Aerospace	United Kingdom	–	on request
OBC-64	CAVU Aerospace	United Kingdom	–	on request
OBC-Cube-Polar	CAVU Aerospace	United Kingdom	–	on request
OBC-Hyper-Polar	CAVU Aerospace	United Kingdom	–	on request
OBCU-500-NS	Airbus Defence and Space	France	Integrated functions: OBC, TM/TC, GPS receiver, AOCs interfaces	on request
ODALISS DIPP	Emxys	Spain	Connectors: 80-pins high-speed interface backplane connector.	on request
OmniEye	Omnipresent Robot Technologies	India	–	on request
On Board Computer	Alba Orbital	United Kingdom	Manufacturer: Alba Orbital	on request
On-board computer	SPUTNIX	Russia	Dimensions, mm: 171 x 111 x 51 (without fasteners)	on request
On-Board Computer (OBC)	Terma	Denmark	Processor: LE0N2/3/4 (SPARC V8/V9 ISA)	on request
On-board computer (with a set of sensors and ADC controller)	SPUTNIX	Russia	Model: SPUTNIX SXC-MB-04-ADC	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
On-Board Data Handling	VECTRONIC Aerospace GmbH	Germany	Power Consumption: around 1.5 W	on request
On-board Memory Unit	Glavkosmos	Russia	Purpose: Small satellites on-board data handling subsystems. Autonomous sto...	on request
Onboard Computer (OBC)	EnduroSat	Bulgaria	Processor: ARM Cortex M7	on request
OrbitsEdge Orbital Edge Platforms and Ground-Based Development Boards	OrbitsEdge	United States	–	on request
ORC3990 — Space-Grade Processing SoC for Satellite Avionics	Totum Labs	United States	Device type: Radiation-tolerant System-on-Chip (SoC)	on request
Payload Baseboard	Glavkosmos	Russia	Purpose: Can be used for development of payload and other systems compatibl...	on request
Payload baseboard for platforms SXC1/3	SPUTNIX	Russia	Model: SPUTNIX SXC-MBB-03	on request
Payload Data Handling System VPDHS	VECTRONIC Aerospace GmbH	Germany	Dimensions: 290 mm x 192 mm x 34 mm	on request
Payload Electronics	Tsd-space	Italy	PILOT-D CDIU Mission: Luna-25 (Luna-Glob) mission	on request
picoRTU system	SkyLabs d.o.o.	Slovenia	Standard: ISO 19683, IPC Class 3+	on request
Pluggable Processor Module A1 (PPM A1), with TI's MSP430F1612	Pumpkin, Inc.	United States	SKU: 710-00485	on request
Pluggable Processor Module A2 (PPM A2), with TI's MSP430F1611	Pumpkin, Inc.	United States	SKU: 710-00486	on request
Pluggable Processor Module A3 (PPM A3), with TI's MSP430F2618	Pumpkin, Inc.	United States	SKU: 710-00516	on request
Pluggable Processor Module B1 (PPM B1)	Pumpkin, Inc.	United States	SKU: 710-00487	on request
Pluggable Processor Module D1 (PPM D1)	Pumpkin, Inc.	United States	SKU: 710-00527	\$655
Pluggable Processor Module D2 (PPM D2)	Pumpkin, Inc.	United States	SKU: 710-00528	\$655
Pluggable Processor Module E1 (PPM E1)	Pumpkin, Inc.	United States	SKU: 710-00748	\$655
Pluggable Socketed Processor Module B (PSPM B)	Pumpkin, Inc.	United States	SKU: 710-00607	on request
Pluggable Socketed Processor Module D (PSPM D)	Pumpkin, Inc.	United States	SKU: 710-00608	\$855
Pluggable Socketed Processor Module E (PSPM E)	Pumpkin, Inc.	United States	SKU: 710-00711	\$855
Pressure Sensor DAV 068	Glavkosmos	Russia	Range of measurements, Mpa: 0-0,03; 0-0,06; 0-0,125; 0-0,25; 0-0,5; 0-1; 0-1,6	on request
Protoboard Module Kit	Pumpkin, Inc.	United States	SKU: 711-00303	\$100

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Proton100k Single Board Computer	Space Micro	United States	Type: Radiation-hardened single board computer	on request
PROTON200K DSP-Based Single Board Computer (SBC)	Space Micro	United States	–	on request
Proton200k-Flt Single Board Computer	Space Micro	United States	–	on request
Proton200k-Fx Single Board Computer	Space Micro	United States	–	on request
Proton2X-Box	ZIN Technologies	United States	Processor: Dual-core PowerPC	on request
PROTON400K Single Board Computer (SBC)	Space Micro	United States	–	on request
PROTON600K Multi-Core Computer	Space Micro	United States	–	on request
Proton600K Multi-Core Processor	ZIN Technologies	United States	Form factor: 3U OpenVPX Single Board Computer	on request
ProtonVPX-Box	ZIN Technologies	United States	Backplane: High-speed 3U VPX mesh backplane, no separate SRIIO switches/SpW ...	on request
PROTONVPX-BOX Modular Platform	Space Micro	United States	–	on request
Pumpkin CubeSat Kit Motherboard Module 2 (MBM2)	Pumpkin, Inc.	United States	Hardware Revision: F	on request
Pumpkin Motherboard Module (MBM) 2 Rev. F	Pumpkin, Inc.	United States	Operating temperature: -40 to +85 °C	on request
PyCubed Plus–based Avionics Board	CubeSat Aerospace	India	Processor: STM32F765 ARM Cortex-M7, 216 MHz	on request
Q7 Computer-on-Module	Xiphos Technologies	Canada	Processor: Xilinx Zynq SoC	on request
Q7 Processor	Xiphos Technologies	Canada	Processor: Xilinx Zynq SoC includes ARM dual-core Cortex-A9 MPCore processo...	on request
Q7S	AAC Clyde Space	Sweden	Processor: Xilinx Zynq-7000 (dual ARM Cortex-A9 + FPGA)	on request
Q7S Command & Data Handling Unit	AAC SpaceQuest (AAC Clyde Space subsidiary)	United States	Type: Command & Data Handling / OBC	on request
Q8 Computer-on-Module	Xiphos Technologies	Canada	MPSoC: Xilinx Zynq UltraScale+	on request
Q8 Low SWaP Computer-on-Module	Xiphos Technologies	Canada	Processor: Xilinx Zynq UltraScale+ Multi-Processor System-on-Chip (MPSoC) P...	on request
Q8 On-Board Computer	Xiphos Technologies	Canada	Processor: Xilinx Zynq SoC (ARM dual-core Cortex-A9 MPCore)	on request
Q8J Computer-on-Module	Xiphos Technologies	Canada	MPSoC: Xilinx Zynq UltraScale+	on request
Q8J Data Storage and Interface Board	Xiphos Technologies	Canada	Storage: 2x 1 TB SSD	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Q8J Low SWaP with GTH Computer-on-Module	Xiphos Technologies	Canada	Processor: Xilinx Zynq UltraScale+ Multi-Processor System-on-Chip (MPSoC) P...	on request
Q8RFG3 Gen 3 RFSoc Processor	Xiphos Technologies	Canada	MPSoC: Xilinx Zynq UltraScale+ ZU48DR	on request
Q9 Versal Computer-on-Module	Xiphos Technologies	Canada	MPSoC: AMD Versal SoC	on request
Remote Terminal Unit (RTU)	RUAG Space	Switzerland	Redundancy: Fully redundant	on request
Resilient Space Computing Systems (NuStream, NuPod, NuComm)	Ramon.Space	Israel	Operating Orbits: LEO, MEO, GEO and deep space	on request
RK300 Space TCXO	Rakon Limited	New Zealand	Frequency Range: 10–100 MHz	on request
RK300NS NewSpace TCXO	Rakon Limited	New Zealand	Frequency: 80 MHz / 100 MHz	on request
RK409AV Ultra-Stable Space OCXO	Rakon Limited	New Zealand	Frequency: 10 MHz / 10.23 MHz / 10.24 MHz	on request
RK409NS NewSpace OCXO	Rakon Limited	New Zealand	Frequency Range: 10–125 MHz	on request
RK410 High Reliability Space OCXO	Rakon Limited	New Zealand	Package size (LxWxH): 99 x 88 x 54 mm	on request
RK410 Space OCXO	Rakon Limited	New Zealand	Frequency Range: 5–10 MHz	on request
RLT-ETH-x	Réaltra Space Systems Engineering	Ireland	Number of Ethernet ports: Up to 4, 12, and 20	on request
Robust On-Board Data Handling Unit	S4 - Smart Small Satellite Systems GmbH	Germany	Radiation protection approach: Software-based, using advanced FDIR and redu...	on request
Robust On-Board Data Handling Unit (OBC)	S4 - Smart Small Satellite Systems GmbH	Germany	Power consumption: < 15 mW	on request
Rugged Embedded Computing for Space	Curtiss-Wright Defense Solutions	United States	Products: SBCs (VPX/VME), data acquisition, solid-state recorders, mission ...	on request
S-A1760 Venus Space GPGPU	Aitech Systems	United States	GPU: NVIDIA Jetson TX2i, Pascal Architecture	on request
S-A2300 Radiation Tolerant COTS AI Supercomputer	Aitech Systems	United States	SoM: NVIDIA Jetson AGX Orin Industrial	on request
S930 Radiation Tolerant 3U CompactPCI Analog I/O Board	Aitech Systems	United States	ADC Resolution: 12-bit	on request
S940 Radiation Tolerant 3U CompactPCI Digital I/O Board	Aitech Systems	United States	RS-422 Output Channels: 12	on request
S950	Aitech Systems	United States	Processor: High Performance PowerPC® 750FX Processor	on request
S992 Radiation-Tolerant 3U CompactPCI Non-Volatile Memory Board	Aitech Systems	United States	Storage Capacity: 8 to 64 GB (scalable)	on request
S993 Radiation-Tolerant 3U CompactPCI Non-Volatile Memory Board	Aitech Systems	United States	Storage Capacity: 256 GB base / up to 1 TB (8 NAND modules)	on request
Satellite Attitude Control Computer	MinoSpace	China	Board Card Size: Standard 3U	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Satellite Avionics & Power Systems	Redwire Space Belgium (ex-QinetiQ Space)	Belgium	Product family: On-board computers (OBC)	on request
Satellite Electronics & Avionics	BAE Systems	United Kingdom	–	on request
SBC-1461	CesiumAstro	United States	TRL: 9	on request
SBCFA1000 Single-Board Computer	ZIN Technologies	United States	Type: Radiation-tolerant single-board computer (OBC)	on request
SC-OBC Module A1	Space Cubics Inc.	Japan	Main processor: Xilinx Artix-7 FPGA	on request
SC-OBC Module V1	Space Cubics Inc.	Japan	Main processor: AMD Versal AI Edge Series VE2302	on request
Scalable Compute Platform	Rogue Space Systems Corp.	United States	Flight Heritage: Flight-demonstrated on OTP-2	on request
SE-1 Space Edge Computer	Spiral Blue	Australia	Processing module: NVIDIA Jetson Xavier NX	on request
Sirius OBC LEON3FT Development Kit	AAC Clyde Space	Sweden	Processor: 32-bit LEON3FT SPARC v8 @ 50 MHz	on request
Sirius QuadCore	AAC Clyde Space	Sweden	TRL: 8	on request
SIRIUS TCM LEON3FT DEVELOPMENT KIT	AAC Clyde Space	Sweden	Expected Life: 5 years in LE0	on request
SIRIUS-OBC-LEON3FT	AAC Clyde Space	Sweden	Expected Lifespan: 5 years in LE0	on request
SKAIDOCK	Zaitra	Czech Republic	Processor: AMD UltraScale+ XCZU7EG with ProASIC3 supervisor (Xiphos Q8J)	on request
Solid-State Recorders, Mass Memories and Payload Data Processing	Airbus Defence and Space	France	CORECI 2 Flight Heritage: in flight since 2021	on request
SP0 Rad-Tolerant 3U CompactPCI SBC	Aitech Systems	United States	Processor: PowerQUICC-III MPC8548E @ 833 MHz, 1.0 or 1.2 GHz	on request
SP0-S Radiation Tolerant 3U CompactPCI SBC	Aitech Systems	United States	Processor: NXP PowerQUICC III MPC8548E	on request
SP1-S Aquarius™ Radiation Tolerant 3U SpaceVPX SBC	Aitech Systems	United States	Processor: NXP Layerscape LS1046A SoC	on request
SP240 On-Board Computer	Novi	United States	TRL: 9 (flight-proven, operational on orbit)	on request
Space Avionics: Payload Controller/Sequencer and Layer-3 Ethernet Switch	Arquimea	Spain	Product 1: Payload Controller/Sequencer	on request
SpaceTech Remote Terminal Unit (RTU)	SpaceTech GmbH	Germany	Processor: Dual Core LEON3 processor, also usable for data pre-processing	on request
SpaceWire-router and on-board storage device of the on-board computer complex	SPUTNIX	Russia	Dimensions, mm: 117 x 111 x 51 (without fasteners)	on request
Sparrow OBC Node	Needronix	Poland	Type: Distributed OBC node	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
SSD-2000 Solid-State Drive	Innoflight	United States	Capacity: Up to 2 TB	on request
SSTL Core	SSTL (Surrey Satellite Technology)	United Kingdom	–	on request
ST Engineering Spacecraft On-Board Computer (OBC)	ST Engineering Satellite Systems	Singapore	Processor: Dual-Core LEON3-FT Sparc V8	on request
Sterna	EDGX	Belgium	Computational Power: Up to 157 TOPS (NVIDIA Jetson Orin NX 16GB)	on request
String accelerometer	Glavkosmos	Russia	Year of release: 1972	on request
SX-SBOX Onboard Computing (Microsatellite)	SPUTNIX	Russia	Family: Onboard computing (SX-SBOX line)	on request
TetraPLEX	TelePIX	South Korea	space heritage: 2024	on request
TPPRE (Thruster Pointing and Pressure Regulation Electronics)	Kayser Space	Italy	Function: Xenon valve actuation and thruster pointing control	on request
TR-2S LEO	JAVAD GNSS	United States	Channels: 874	on request
Typhoon Edge	CAVU Aerospace	United Kingdom	–	on request
Unibap iX10 Space Computer	Unibap Space Solutions AB	Sweden	CPU: AMD Ryzen V1000	on request
VVDN Aerospace & Defence Electronics Engineering	VVDN Technologies	India	Engineering disciplines: FPGA, RF, embedded SW/HW, silicon, mechanical	on request
Xiphos Q8RF Family	Xiphos Technologies	Canada	Operating temperature: -40 to +60 °C	on request
Xiphos Q9 Versal Computer-on-Module	Xiphos Technologies	Canada	Operating temperature: -40 to +60 °C	on request
Z7000-P4	Space Inventor ApS	Denmark	MSRP: €18,000	\$18 000
ZHP Payload Computer	Serenum Space	Czech Republic	Processor: Zynq 7015, dual-core Cortex-A9 up to 766 MHz, with FPGA	on request

Products by manufacturer

2NDSpace Srl

ITALY · 2023 · 4 PRODUCTS

New Space company designing modular nanosatellite/CubeSat hardware: structures, solar panels, EPS, antennas, OBCs, and deployers/separation systems.



2NDSPACE SRL

MASTER Cubesat On-Board Computer

Dual-core CubeSat OBC with Cortex M7/M4 processors, OTA updates, FreeRTOS compatibility and rich I/O.

Processor	Dual core: Cortex M7 480MHz + Cortex M4 240MHz
Software	OTA update, FreeRTOS-compatible architecture
Communication interfaces	13x: CAN, RS422, RS485, UART, USART, I2C, SPI
GPIO	8x
ADC inputs	6x

[price on request](#) [datasheet](#)



2NDSPACE SRL

MASTER II Next Generation Satellite OBC

Next-generation modular OBC with dual-section hardware redundancy, PolarFire SoC, FPGA guardian supervision and on-demand edge AI.

Architecture	Modular, separated control and computing layers
Redundancy	Dual-section (A/B), active/standby or dual-active modes
Failover	Hardware-driven, deterministic, no software boot required
Supervision	Always-on Guardian FPGA: health monitoring, watchdog, reset, power-cycling
Processor	PolarFire SoC with integrated FPGA fabric

[price on request](#)



2NDSpace SRL

MASTER-CHIEF Extended On-Board Computer

Extended CubeSat OBC adding an independent critical-data-management core with ECC RAM to the MASTER architecture.

Processor	Dual core: Cortex M7 480MHz + Cortex M4 240MHz
Critical data core	Independent Cortex M7 400MHz
Critical data RAM	1MB with ECC
Critical data program memory	2MB
Software	OTA update, FreeRTOS-compatible architecture

[price on request](#) [datasheet](#)



2NDSpace SRL

MASTER, MASTER-CHIEF, MASTER-II Cubesat On-Board Computers

The MASTER series offers a range of On-Board Computers (OBCs) for CubeSats, featuring dual-core processors, various communication interfaces, and memory options. The MASTER-CHIEF p

Processor (MASTER)	Dual core (Cortex M7 480MHz, Cortex M4 240MHz)
OTA Update (MASTER)	Yes
OS Compatibility (MASTER)	FreeRTOS compatible
Communication Interfaces (MASTER)	13 (CAN, RS422, RS485, UART, USART, I2C, SPI)
GPIO / ADC Inputs (MASTER)	8x GPIO / 6x ADC inputs

[price on request](#) [datasheet](#)

3D Plus (HEICO)

FRANCE · 1995 · 2 PRODUCTS

World-leading manufacturer of space electronic components using proprietary 3D interconnect technology for extreme miniaturization.



3D PLUS (HEICO)

COMBO - Space-Grade Configuration Memory Boot Manager

Space-grade configuration memory boot manager (3DC00849) for AMD XQR Versal FPGAs, integrating 16 Gb RT NAND Flash for multiple large bitstreams in a 32x32 mm BGA package with on-o

Part Number	3DC00849 / 3DMC00849
Compatible FPGA	AMD XQR Versal
NAND Flash Capacity	16 Gb
Power Supply Voltages	1.2V, 2.5V, 3.3V
Temperature Range	-40°C to +105°C

[price on request](#)



3D PLUS (HEICO)

Fusio RT Space Computer Core

Rad-hard-by-design SRAM-based FPGA computer core family with 4.4 million system gates, 128 Mbit TMR configuration memory, and optional NAND Flash and SDRAM in a single 32x32 mm BGA

FPGA Resources	550k ASIC gate equivalents (4,400,000 system gates)
User I/Os	263
I/O Speed	Up to 800 Mbps
Configuration Memory	128 Mbit TMR NOR Flash
NAND Flash (NAND/FULL)	64 Gb

[price on request](#)

AAC Clyde Space

SWEDEN · 1999 · 7 PRODUCTS

AAC Clyde Space provides small satellite technologies and space-based data services, offering end-to-end solutions from satellite components to data analytics for various applications.



AAC CLYDE SPACE

CP400.85

The CP400.85 is a miniaturized, flight-proven processing platform with high computing power and low energy consumption, designed for CubeSat missions as a payload processor or gene

TRL	9
Lead Time	16 Week
Flown Since	2018
Processor	ARMv7-A
Clock frequency	500 MHz

[price on request](#) [datasheet](#)



AAC CLYDE SPACE

Kryten-M3 & Kryten-M3 PLUS

The Kryten-M3 and Kryten-M3 PLUS are command and data handling solutions designed for price-sensitive commercial missions requiring reliable and qualified solutions.

Design Life	5 years in LEO
Processor	SmartFusion2 SoC ARM Cortex-M3, 62.5 DMIPS
Clock	50 MHz
MRAM	16 MB
Radiation (TiD)	20 kRAD

[price on request](#) [datasheet](#)



AAC CLYDE SPACE

Q7S

The Q7S is a CubeSat Onboard Computer (OBC) designed for 'always-on' operation, offering advanced error detection and correction.

Processor	Xilinx Zynq-7000 (dual ARM Cortex-A9 + FPGA)
CPU Speed	Up to 866 MHz
RAM	1 GB DDR3
Flash Storage	4 GB NAND
Operating System	Linux / FreeRTOS

[price on request](#) [datasheet](#)



AAC CLYDE SPACE

Sirius OBC LEON3FT Development Kit

The Sirius OBC LEON3FT Development Kit is designed for advanced satellite constellations in LEO and deep space exploration missions, providing 'always-on' reliable operations with

Processor	32-bit LEON3FT SPARC v8 @ 50 MHz
SDRAM	64 MB post-EDAC
Mass Memory Storage	32 GB post-EDAC
Power Supply	9-15V (12V plug included)
SpaceWire	50 Mbps, RMAP, 2 interfaces

[price on request](#) [datasheet](#)



AAC CLYDE SPACE

Sirius QuadCore

Sirius QuadCore is a next-generation, fault-tolerant Command and Data Handling solution combining an on-board computer, quad-core processing, and mass memory for New Space nanosat

TRL	8
Processor	LEON4FT, 250 MHz LEON4 quad core fault-tolerant processor
Operating System	Linux or RTEMS real-time operating system compliant to IEEE 1754 SPARCv8
Fault tolerance	TMR (Triple-Modular Redundancy) on boot flash and EDAC (Error Detection and Correction) on
SEE tolerance	Tolerant to Single-Event-Effects (SEE) in logic and data storage

[price on request](#) [datasheet](#)



AAC CLYDE SPACE

SIRIUS TCM LEON3FT DEVELOPMENT KIT

The SIRIUS TCM LEON3FT Development Kit is a smallsat Telemetry, Tracking and Command Control Module (TCM) designed for reliable, 'always-on' operations in LEO and deep space missio

Expected Life	5 years in LEO
Processor	32-bit LEON3FT SPARC v8 @ 50 MHz
SDRAM	64 MB post-EDAC
Mass Memory Storage	32 GB post-EDAC
Operating Temperature	-30 to +60 C

[price on request](#) [datasheet](#)



AAC CLYDE SPACE

SIRIUS-OBC-LEON3FT

The SIRIUS-OBC-LEON3FT is a flight-proven CubeSat Onboard Computer (OBC) designed for 'always-on' reliable operations in advanced satellite constellations and deep space exploratio

Expected Lifespan	5 years in LEO
Processor	32-bit LEON3FT SPARC v8 @ 50 MHz
SDRAM	64 MB post-EDAC
NVRAM	16 kB post-EDAC
Nand Flash	2 GB post-EDAC

[price on request](#) [datasheet](#)

AAC Clyde Space provides small satellite technologies and space-based data services, offering end-to-end solutions from components to data analytics.



AAC SPACEQUEST (AAC CLYDE SPACE SUBSIDIARY)

Q7S Command & Data Handling Unit

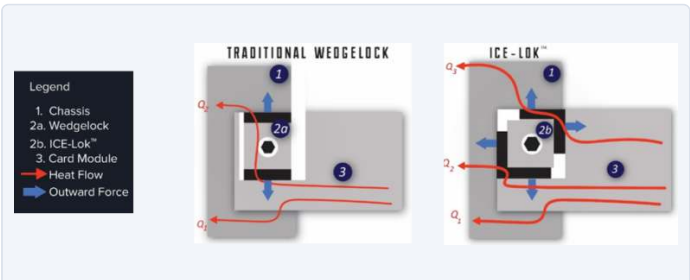
Compact, low-mass OBC/CDH solution for price-sensitive commercial CubeSat and SmallSat missions. Space-qualified with small size, low power.

Type	Command & Data Handling / OBC
Design	Small size, low mass, low power
Target Market	Price-sensitive commercial missions
Target Platform	CubeSat, SmallSat (aerospace)
Functions	Command, telemetry, data storage, scheduling

price on request

ACT (Advanced Cooling Technologies)

Premier thermal management solutions company specializing in custom two-phase heat transfer technology for aerospace, defense, and industrial applications.



ACT (ADVANCED COOLING TECHNOLOGIES)

ICE-Lok Thermally Enhanced Wedge Locks

Patented Isothermal Card Edge wedge locks that reduce card-to-chassis thermal resistance by over 33% vs. standard wedge locks, VITA 48.2 compliant with spaceflight heritage for Spa

Thermal Resistance Reduction vs. COTS	> 33%
Temperature Reduction (100 W system)	> 10°C vs. standard 3/8" wedge locks
Standard Compliance	VITA 48.2
Compatible Card Formats	VITA 3U, 6U, 9U
ICE-Lok 250 Series	7, 9, 11 wedges (1/4" width)

price on request

[datasheet](#)

Aethero designs and manufactures high-performance, space-rated computers and offers compute-as-a-service for various space platforms, from CubeSats to Space Stations.

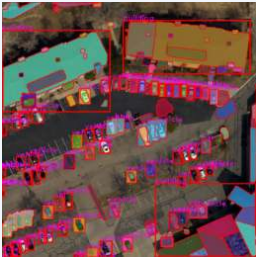


AETHERO
Aether Software Platform

Aethero's cloud-based fleet management and OTA software platform for managing distributed edge computing modules in space, supporting multi-modal AI/ML workloads and real-time oper

Deployment	Cloud + Edge (cloud.aethero.com)
Update Mechanism	OTA (Over-the-Air)
OS: Edge	ECM-OS (headless, hypervisor/containerized)
OS: MCU	MCU-RTOS (real-time, minimal footprint)
Communication Protocol	CSP (CubeSat Space Protocol)

price on request

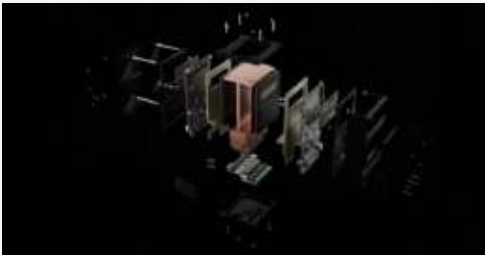


AETHERO
AMATDT

Aethero's Automated Model Annotation, Training and Deployment Tool — a software platform for customizing, training, and deploying AI/ML models onto Aethero edge computing modules,

Deployment Target	Aethero Edge Computing Modules (NxA-ECM, NxN-ECM)
Supported Imagery Types	RGB, Multispectral, Hyperspectral
Model Customization	Flag-based configuration for detection outputs
Annotation	Built-in imagery annotation tool
Training	Automated model training pipeline

price on request



AETHERO
NxA-ECM

Aethero's most powerful edge computing module based on the Nvidia AGX Thor or Orin processors, designed for high-performance spacecraft computing with 4000+ TFLOPS/TOPS and 50+ kRad

Processor	Nvidia AGX Thor or Orin
Compute Power	4000+ TFLOPS/TOPS
Expected Lifespan	7+ years
Radiation Tolerance	50+ kRad TID
Expansion Modules	4+ available options

price on request

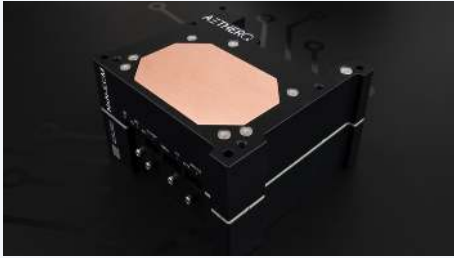


AETHERO
NxN-ECM

Aethero's TRL-9 space-grade edge computing module based on the Nvidia Orin NX or Nano processors, supporting modular, redundant, and distributed spacecraft computing configurations

Processor	Nvidia Orin NX or Nano
Compute Power	4000+ TFLOPS/TOPS
Expected Lifespan	7+ years
Radiation Tolerance	50+ kRad TID
Expansion Modules	4+ available options

price on request



AETHERO	
NxN-ECM (Nvidia-NX/Nano Edge Computing Module)	
The NxN-ECM is a space-rated Edge Computing Module based on the Nvidia Orin NX or Nano, available in modular, multiple redundant, or distributed configurations for spacecraft and s	
Base Processor	Nvidia Orin NX or Nano
Configuration Options	Modular, Multiple Redundant, Distributed Computing Modules
Distributed Computing Support	Stackable or server rack format through Kubernetes clustering
Applications	Spacecraft, Space Data Centers, Supercomputer use cases
TRL	9
price on request	

Airbus Defence and Space

FRANCE · 2014 · 2 PRODUCTS

Airbus Defence and Space designs and manufactures satellites, spacecraft equipment, and provides related services for telecommunications, navigation, Earth observation, and space exploration.



AIRBUS DEFENCE AND SPACE	
OBCU-500-NS	
The OBCU-500-NS is a high-performance On-Board Computer developed by Airbus Defence and Space to serve next generation LEO constellations and beyond.	
Integrated functions	OBC, TM/TC, GPS receiver, AOCS interfaces
Mission life	10-year LEO rating
Product line	PureLine
price on request	



AIRBUS DEFENCE AND SPACE	
Solid-State Recorders, Mass Memories and Payload Data Processing	
This page describes a suite of digital payload equipment for space applications, including the CORECI 2 compression, recording, and ciphering equipment, the NEMO-2 2041 compact sol	
CORECI 2 Flight Heritage	in flight since 2021
NEMO-2 2041 Heritage	over 30 years of strong flight heritage on solid-state technologies
price on request	datasheet

Aitech Systems

UNITED STATES · 16 PRODUCTS

Designer and manufacturer of rugged, high-performance embedded computing solutions for aerospace, defense, and space applications.



AITECH SYSTEMS

A445 IBOX Radiation Tolerant Engine Controller

A space-qualified radiation-tolerant integrated control subsystem managing spacecraft power switching, peripheral control, engine interfaces, cameras, RF transmitters, and sensor I

Control Logic	FPGA (radiation-tolerant, user-reprogrammable)
Storage	Flash memory
Cards	Switch Card (SWC) + 2 × High Power Distribution Unit (HPDU)
Analog Inputs	Yes
Thermistor Inputs	Yes

price on request



AITECH SYSTEMS

CM950 PMC Carrier Card for 3U CompactPCI SBCs

A radiation-tolerant single-slot 3U CompactPCI carrier card enabling direct connection of single-wide conduction-cooled PMC I/O modules to the SP0-S SBC, consuming less than 2 W an

Form Factor	Single-slot 3U CompactPCI
Power Consumption	< 2 W
TID (Standard Flight)	45 krad (Si) unshielded
TID (Optional)	100 krad (Si)
PMC Accommodation	Single-wide conduction-cooled PMC

price on request



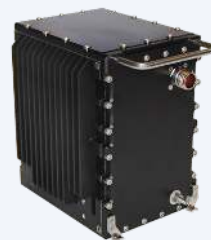
AITECH SYSTEMS

CM951 PMC Carrier Card with Integrated MIL-STD-1553B

A radiation-tolerant single-slot 3U CompactPCI PMC carrier card combining an additional PMC site with integrated dual-redundant MIL-STD-1553B interface, consuming less than 7 W and

Form Factor	Single-slot 3U CompactPCI
MIL-STD-1553B	Dual redundant BC/RT/MT (STANAG 3838)
Power Consumption	< 7 W (dependent on 1553 traffic)
TID (Standard Flight)	45 krad (Si) unshielded
TID (Optional)	100 krad (Si)

price on request



AITECH SYSTEMS

E193 1/2-ATR 3U VPX & CompactPCI Rugged Enclosure

A standard 1/2-ATR sealed aluminum enclosure accommodating up to four 3U OpenVPX or CompactPCI boards with internal conduction cooling, 28 Vdc MIL-STD-704 power input, and MIL-DTL-

Form Factor	1/2-ATR, 3U
Board Capacity	4 × 3U boards (OpenVPX or CompactPCI)
Dimensions	5" W × 6.5" L × 7" H (127 × 165 × 178 mm)
Power Standard	MIL-STD-704 compliant
Connectors	MIL-DTL-38999 circular connectors

price on request



AITECH SYSTEMS

E900 8-Slot 3U CompactPCI Space Enclosure

A cold-plate-cooled 8-slot 3U CompactPCI space enclosure with dual 28V/140W radiation-tolerant power supplies, up to 9 high-speed I/O interfaces tested to 400 Mbps, and Faraday cage

Slot Configuration	8-slot 3U CompactPCI backplane
Power Supplies	Dual 28V/140W, radiation-tolerant, latch-up immune
Auxiliary Outputs	+15 VDC, -15 VDC, +12 VDC dedicated
High-Speed I/O	Up to 9 interfaces, tested at 400 Mbps
Cooling	Cold plate conduction cooling

price on request



AITECH SYSTEMS

E905 1/2 ATR 3U CompactPCI Space Enclosure

A cold-plate-cooled 3-slot 3U CompactPCI space enclosure with a radiation-tolerant 28 Vdc/140 W power supply (>25 krad TID, >37 MeV-cm²/mg latch-up immunity), Faraday cage EM

Slot Configuration	3-slot 3U CompactPCI
Power Supply Input	28 Vdc / 140 W
Power Supply Efficiency	> 80%
Total Ionizing Dose (Power Supply)	> 25 krad (Si)
Latch-up Immunity (Power Supply)	> 37 MeV-cm ² /mg

price on request



AITECH SYSTEMS

S-A1760 Venus Space GPGPU

The S-A1760 Venus is a radiation-characterized small form factor space GPGPU based on the NVIDIA Jetson TX2i with Pascal architecture, offering 256 CUDA cores, 1 TFLOPS, and 8 GB L

GPU	NVIDIA Jetson TX2i, Pascal Architecture
CUDA Cores	256
CPU	NVIDIA Denver 2 Dual-Core ARM + Cortex A57 Quad-Core ARM
Performance	1 TFLOPS
Energy Efficiency	60 GFLOPS/W

price on request



AITECH SYSTEMS

S-A2300 Radiation Tolerant COTS AI Supercomputer

The S-A2300 is a radiation-tolerant small form factor AI supercomputer based on the NVIDIA Jetson AGX Orin Industrial SoM with 2048 CUDA Ampere cores, 248 TOPS AI performance, and

SoM	NVIDIA Jetson AGX Orin Industrial
AI Performance	248 TOPS
CUDA Cores	2048 (Ampere Architecture)
Tensor Cores	64
CPU	12-core ARM v8.2 64-bit

price on request



AITECH SYSTEMS

S930 Radiation Tolerant 3U CompactPCI Analog I/O Board

A radiation-hardened 3U CompactPCI analog I/O board providing 51 12-bit ADC input channels ($\pm 10V$), 2 DAC output channels, 11 bus voltage monitors, and triple-voted SRAM buffers for

ADC Resolution	12-bit
Analog Input Channels	51
ADC Input Range	-10V to +10V
Analog Output Channels	2 $\times$ 12-bit DAC, -10V to +10V
Bus Voltage Monitors	11 channels

price on request



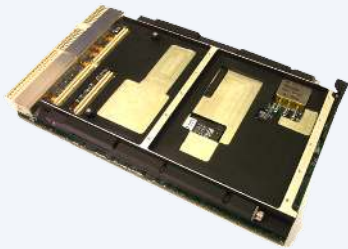
AITECH SYSTEMS

S940 Radiation Tolerant 3U CompactPCI Digital I/O Board

A radiation-tolerant 3U CompactPCI digital I/O board providing 12 RS-422 outputs, 4 RS-422 inputs, 2 RS-232 UART ports, 3 H-bridge torque rod interfaces, and opto-isolated discrete

RS-422 Output Channels	12
RS-422 Input Channels	4
RS-232 UART Ports	2
H-Bridge Torque Rod Interfaces	3 (2A rated)
Discrete Output Drivers	2 opto-isolated

price on request



AITECH SYSTEMS

S950

The S950 is a rugged 3U CompactPCI single board computer designed for harsh space radiation environments, offering low power consumption and high radiation tolerance for mission-cr

Processor	High Performance PowerPC® 750FX Processor
Board Type	Single-Slot Conduction-Cooled 3U CompactPCI Single Board Computer (SBC)
Operating Frequency	1 GHz
Power Consumption	Less than 10 W
Total Ionization Dose (TID)	Greater than 15 krad (Si) (unshielded)

price on request



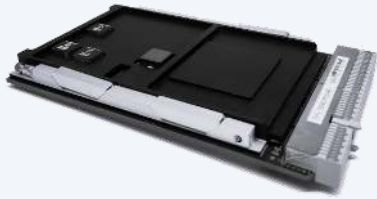
AITECH SYSTEMS

S992 Radiation-Tolerant 3U CompactPCI Non-Volatile Memory Board

A radiation-tolerant 3U CompactPCI non-volatile Flash memory board providing scalable 8 to 64 GB NAND storage with hardware EDAC and PCI DMA engine, consuming less than 2 W for spa

Storage Capacity	8 to 64 GB (scalable)
Memory Type	Non-volatile NAND Flash
NAND Modules	1 to 8 individually addressable (3D-Plus)
PCI Interface	32-bit CompactPCI, 33.333 MHz
Power Consumption	< 2 W nominal

price on request



AITECH SYSTEMS

S993 Radiation-Tolerant 3U CompactPCI Non-Volatile Memory Board

A radiation-tolerant 3U CompactPCI non-volatile storage board providing 256 GB to 1 TB NAND Flash with hardware EDAC and POSIX-compliant Flash File Driver with wear leveling for hi

Storage Capacity	256 GB base / up to 1 TB (8 NAND modules)
Memory Type	Non-volatile NAND Flash
NAND Modules	Up to 8 individually addressable (3D-Plus)
PCI Interface	32-bit CompactPCI, 33 MHz or 66 MHz
Error Correction	Hardware EDAC (single-bit correction, double-bit detection)

price on request



AITECH SYSTEMS

SP0 Rad-Tolerant 3U CompactPCI SBC

The SP0 is a radiation-tolerant 3U CompactPCI Single Board Computer (SBC) designed for space applications, featuring a PowerQUICC-III MPC8548E processor and low power consumption.

Processor	PowerQUICC-III MPC8548E @ 833 MHz, 1.0 or 1.2 GHz
Core Complex Bus (CCB) Speed	333 MHz
Form Factor	Rugged 3U CompactPCI SBC
PMC Site	One Standard PMC Site
Compliance	PICMG 2.0, Rev. 3.0 Compliant

price on request



AITECH SYSTEMS

SP0-S Radiation Tolerant 3U CompactPCI SBC

The SP0-S is a radiation-hardened 3U CompactPCI single-board computer using the NXP PowerQUICC III MPC8548E processor at 1.0 GHz with 1 GB DDR2 ECC memory, rated to >100 krad (S

Processor	NXP PowerQUICC III MPC8548E
Clock Speed	1.0 GHz
Core Complex Bus	400 MHz
Memory	1 GB DDR2 @ 400 MHz with ECC
User Flash	1 GB with ECC

price on request



AITECH SYSTEMS

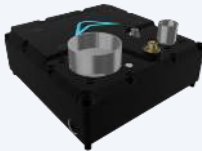
SP1-S Aquarius™ Radiation Tolerant 3U SpaceVPX SBC

The SP1-S Aquarius™ is a radiation-tolerant 3U SpaceVPX single-board computer powered by NXP Layerscape LS1046A (four 64-bit ARM Cortex-A72 cores at 1.8 GHz) designed for LEO, GEO,

Processor	NXP Layerscape LS1046A SoC
CPU Cores	Four 64-bit ARM Cortex-A72
Clock Speed	1.8 GHz
Memory	4/8 GB DDR4 @ 1050 MHz with ECC
FPGA	Radiation-tolerant Polarfire FPGA

price on request

Melbourne-based deep-tech startup building AI-powered smart satellites with onboard hyperspectral data processing and in-orbit AI model execution.



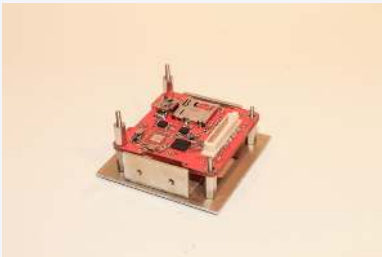
AKULA TECH
Nexus-01 Edge-AI Onboard Computer

Space-qualified Edge-AI onboard computer flying on the Nexus-01 mission, processing hyperspectral imagery and running AI/ML models in orbit.

Compute module	NVIDIA Jetson TX2i
CUDA cores	256
Peak performance	1.3 TFLOPS
Hyperspectral payload compatibility	Esper OTR-2 (250+ spectral bands)
Onboard AI processing	Level 0 to Level 3 hyperspectral data processing, parallel multi-model execution

price on request

Alba Orbital manufactures PocketQube satellites, provides launch and ground station services, and operates a fleet of nighttime imaging satellites for government and commercial clients.



ALBA ORBITAL
On Board Computer

The Alba Orbital On Board Computer (OBC) is an entry-level control hub for satellites, featuring a TI MSP430 microcontroller for low power consumption and flexibility.

Manufacturer	Alba Orbital
Expected Shipping Time	12-16 Weeks
Meets	PQ60 v1.0 Specifications
Dimensions	42mm x 42mm
Weight	8.5 grams (without memory card)

price on request

ALTER Technology provides laboratory and engineering services for high-reliability EEE components, specializing in microelectronics and optoelectronics engineering, procurement, assembly, and testing



ALTER TECHNOLOGY

Electronic Design Services

ALTER Technology provides comprehensive electronic design services from concept to manufacturing, including PCB design (FR4, IMS, flex), FPGA design, RF design, power electronics,

PCB Substrate Types	FR4, IMS, flexible, rigid-flex
Assembly Methods	Through-hole and surface-mount, selective and reflow soldering
Design Capabilities	Analog, mixed-signal, digital, RF, high-frequency, power electronics
Power Electronics	DC/DC and DC/AC converters
FPGA Design	Advanced processing for automotive and aerospace

price on request

Alén Space

Alén Space designs, manufactures, and operates small satellites, providing end-to-end mission development services and advanced communication platforms, subsystems, and components for space and ground



ALÉN SPACE

DARA OBC — On-Board Computer

Low-power ARM Cortex-M7 OBC (TRL-9) for nanosatellites. 280 mW typical power, integrated IMU (mag + gyro + accel), GNSS, and FreeRTOS with PC/104 form factor.

TRL	TRL-9 (Flight Heritage)
Processor	ARM Cortex-M7, up to 280 MHz
RTOS	FreeRTOS (CSP compatible)
Typical Power	280 mW

IMU — Magnetometer

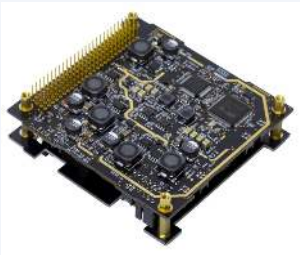
3-axis digital

price on request

Aphelion Orbitals

UNITED STATES · 2017 · 1 PRODUCT

Aphelion Orbitals is a New Jersey-based launch vehicle company developing the Helios nanosatellite launch system for regular, scheduled orbital access at low cost.



APHELION ORBITALS

Integrated EPS/OBC Bus Module

The Aphelion Cubesat Bus Module is an integrated electrical power system and on-board computer solution designed for mission-critical, volume constrained environments.

MPPT inputs	5 with 40W input capacity
Output rails	7 independently controlled and monitored
Output capacity (5V)	3A
Output capacity (3.3V)	4A
Deployment mechanism channels	4 dedicated for high current

price on request

Aptos Orbital

UNITED STATES · 2024 · 1 PRODUCT

Space-hardened compute and communications terminal connecting satellites directly to the cloud (AWS, Azure) with 99% global coverage.



APTOS ORBITAL

Aptos

Aptos is a space-hardened device that integrates compute, persistent communications, and cloud services into any satellite or spacecraft, enabling powerful AI onboard and 99% globa

Years in space	5.5
Data coverage	99%
TRL	9 For LEO

price on request

datasheet

Argotec is an Italian spacecraft manufacturer that designed and operates the ArgoMoon CubeSat and develops satellite platforms and subsystems for ESA and commercial missions.



ARGOTEC SRL	
FERMI OBC&DH Miniaturized Rad-Hard On-Board Computer	
Miniaturized radiation-hardened on-board computer and data handling unit for microsatellite platforms, for spacecraft management and computationally intensive algorithms.	
Type	On-Board Computer and Data Handling unit (OBC&DH)
Radiation	Rad-hard, described by the vendor as best-in-class radiation hardening assurance
Target platforms	Microsatellite platforms; fitted to Argotec HAWK LITE
Functions	Spacecraft management, computationally intensive algorithms, data handling
Operating domains	Deep space and LEO
price on request	

Spanish space technology company founded 2007 in Leganes, developing MEMS relay switches, SiC power devices, and miniaturized power conditioning units for satellite applications.



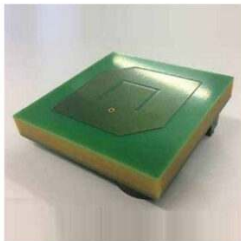
ARQUIMEA	
Space Avionics: Payload Controller/Sequencer and Layer-3 Ethernet Switch	
Space-qualified payload controllers, sequencers, and a 16-port Gigabit Ethernet Layer-3 switch, developed in partnership with Ecliptic and validated in over 160 missions including	
Product 1	Payload Controller/Sequencer
Product 2	Layer-3 Gigabit Ethernet Switch (16-port GbE)
Flight heritage (missions)	>160 successful missions

Contracts since 2001	>400
Reference missions	Artemis (NASA), ISS, LEO/MEO/GE0/cislunar/lunar platforms
price on request	

Arralis

IRELAND · 2 PRODUCTS

Irish developer of mmWave and RF/microwave MMICs, modules, phased-array antennas, and radar/comms front-end systems for satellite, aerospace and defense markets.



ARRALIS

Multiband GNSS Module with Antenna M-GNSSB-ANT-RX

The M-GNSSB-ANT-RX is a compact integrated multiband GNSS antenna and receiver module supporting GPS L1 and BeiDou B1 with 2-3 dB antenna gain, RTK capability, UART and RS-485 inte

GNSS Bands	GPS L1, BeiDou B1 (1560-1610 MHz)
Antenna Gain	2-3 dB
Correction Technology	RTK (Real-Time Kinematic)
Supply Voltage	3.3-5 V
Current Consumption	25 mA

price on request datasheet



ARRALIS

Multiband GNSS OEM Receiver Board M-GNSSB-RX

The M-GNSSB-RX is a compact multiband GNSS OEM receiver board supporting GPS L1 and BeiDou B1 with RTK correction capability, UART and RS-485 interfaces, and 3.3-5 V supply for def

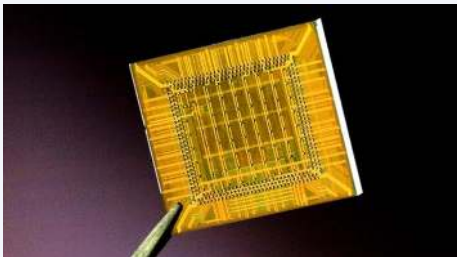
GNSS Bands	GPS L1, BeiDou B1 (1560-1610 MHz)
Correction Technology	RTK (Real-Time Kinematic)
Supply Voltage	3.3-5 V
Current Consumption	25 mA
Data Interfaces	UART (3.3 V), RS-485 (5 V)

price on request datasheet

BAE Systems

UNITED KINGDOM · 1999 · 1 PRODUCT

UK defense and aerospace prime with a dedicated space division; develops Azalea radar satellites and offers Space-as-a-Service payload hosting.



BAE SYSTEMS

Satellite Electronics & Avionics

BAE Systems manufactures radiation-hardened electronics, processors, and avionics for space applications. Products include single-board computers, data processing units, inertial m

price on request

Huali Chuangtong (华力创通, Hwacreate) is a Chinese satellite navigation and IoT technology company listed on the Shenzhen Stock Exchange, headquartered in Beijing, developing GNSS (GPS/BeiDou) navigation modules, IoT terminals, and satellite c



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
A664 FPGA IP Core

The A664 IP Core is an FPGA IP unit compliant with the ARINC 664 specification, supporting 2 ARINC 664 ports with configurable 10/100/1000 Mbps port speeds. It enables fast impleme

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
A664 Network Analyzer

The A664 Network Analyzer is an ARINC 664 (AFDX) network data acquisition and analysis tool. It adopts a portable ruggedized laptop form factor with 4 acquisition ports supporting

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
A664 Signal Switch

The A664 Signal Switch is a high-performance, multi-channel, low-power real-time multi-path signal switching device. It supports switching of 8 channels of 10/100/1000 Mbps ARINC 6

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
A664 Stimulus/Acquisition Card

The A664 Stimulus/Acquisition Card is a high-performance ARINC 664 protocol simulation test terminal network card providing 24 ARINC 664 ports with configurable 10/100 Mbps port sp

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
A664 Switch (100 Mbps)

The A664 100 Mbps Switch is an 8/24-port ARINC 664 switch based on the ARINC 664 avionics bus standard. It features high reliability and real-time determinism with multiple remote

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
A664 Switch (Gigabit)

The A664 Gigabit Switch is an 8/16/24-port ARINC 664 switch based on the new-generation avionics bus ARINC 664 standard. It provides SFP interfaces supporting optical modules (LC c

price on request

Berlin Space Technologies (BST) designs and mass manufactures small satellite systems and technologies, providing end-to-end solutions for space

missions.



BERLIN SPACE TECHNOLOGIES

CDH-110

The CDH-110 is a Command and Data Handling (CDH) system for satellite buses, comprising an On-Board Computer (OBC-110) and an Attitude Control Computer (ACC-110) in a single housin

Data Interfaces	RS422, SPI, PWM
Processing Power	2x90 + 400MIPS
TMTC Operation	Yes
Real Time Linux	Yes (HP OBC)
Communications security	Authentication & Encryption

price on request [datasheet](#)

CAVU Aerospace

UNITED KINGDOM · 2016 · 10 PRODUCTS

CAVU Aerospace designs and manufactures spacecraft avionics, including radiation-tolerant onboard computers, thermal control units, frame grabbers, and flight-proven satellite cameras for various spac



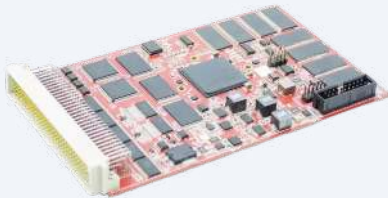
CAVU AEROSPACE

CAVU CDH-FS

The CAVU CDH-FS is an advanced, fully redundant FPGA-based on-board computer system designed for critical space missions, offering continuous operation and resilience against sever

Key System Features	Dual Cold/Hot Redundant OBC Modules
Key System Features	Dual Cold/Hot Redundant ADC/DAC Modules
Key System Features	Double Hot Redundant ADC Converters
Key System Features	Advanced Supervisor & Health Monitoring Module
Key System Features	Efficient Data Synchronization Between OBC Modules

price on request [datasheet](#)



CAVU AEROSPACE

CAVU OBC-1

The CAVU OBC-1 is a cutting-edge, FPGA-based satellite computing system designed for reliable and efficient operation in space, featuring intelligent redundancy and advanced comman

Expected Life-time	3-5 years in LEO
Processor	Microchip/Microsemi SmartFuion2 Flash Based FPGA
Processor Core	ARM Cortex-M3 on FPGA
FPU	on FPGA Upon Request
Processor Speed	150 DMIPS @ 128MHz, Max 166MHz

price on request [datasheet](#)



CAVU AEROSPACE

CDH-FS

Main OBC for SmallSat platform

price on request



CAVU AEROSPACE

FG-1

The FG-1 is a state-of-the-art Cubesat satellite board designed for high-quality image capture from CameraLink cameras, featuring a radiation-hardened FPGA and robust environmental

Input Voltage	Single 12V or 5V and 12V
Power Consumption	<1W for FG-1 Board
Mass	75gr
Dimension	Cubesat standard
Temperature	-40 C to +85 C @ 10 bar

price on request

[datasheet](#)



CAVU AEROSPACE

OBC PolarFire VPX

OBC based on PolarFire FPGA SoC in 3U VPX

price on request



CAVU AEROSPACE

OBC-104

CubeSat OBC based in SmartFusion2

price on request



CAVU AEROSPACE

OBC-64

OBC based on PIC-64 SOSA aligned HPSC

price on request



CAVU AEROSPACE

OBC-Cube-Polar

CubeSat OBC based on PolarFire FPGA

price on request



CAVU AEROSPACE

OBC-Hyper-Polar

OnBoard Computer based on PolarFire FPGA SoC

price on request



CAVU AEROSPACE

Typhoon Edge

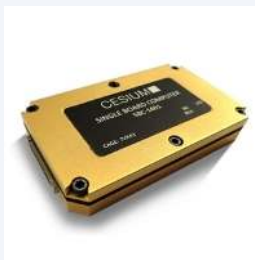
AI OnBoard Computer- PolarFire FPGA paired with NVIDIA Jetson

price on request

CesiumAstro

UNITED STATES · 1 PRODUCT

US manufacturer of software-defined, phased-array communication systems and payloads for satellite constellations, defense, and space applications.



CESIUMASTRO

SBC-1461

The SBC-1461 is a compact, TRL 9 single-board computer designed for LEO satellite missions, offering reliable onboard compute, data handling, and system control.

TRL

9

price on request

CONTEC

SOUTH KOREA · 1 PRODUCT

CONTEC provides an all-in-one solution for satellite data reception, processing, and analysis, supporting space missions through its global ground station network.

CONTEC

Embedded Computing and OBC for Smallsats

CONTEC's compact embedded computing boards and on-board computers (OBCs) for small satellites — applying CONTEC's industrial computing expertise to space-grade satellite avionics.

Products	Embedded SBCs, OBC modules, industrial IoT, data acquisition for space
Interfaces	CAN bus, UART, SPI, I2C (standard satellite protocols)
Space Program	SSTJ nano-satellite bus (partner program)
Customers	JAXA, NICT, Japanese research institutions

HQ	Osaka, Japan (TSE Prime Market listed)
price on request	

Cosmoleap

CHINA · 1999 · 1 PRODUCT

Dahang Transition develops and operates medium and large reusable launch vehicles and their on-board computers, supporting satellite Internet engineering.



COSMOLEAP

FLOTONE ONE

FLOTONE ONE is an on-board computer that integrates flight control, engine thrust control, and telemetry acquisition, designed with a three-mode hot backup redundancy architecture

price on request

CubeSat Aerospace

INDIA · 1 PRODUCT

Indian CubeSat developer offering flight-ready 1U–6U satellite structures, subsystem components, environmental testing services, launch integration, and STEM education programs from Ahmedabad.



CUBESAT AEROSPACE

PyCubed Plus–based Avionics Board

The PyCubed Plus–based Avionics Board by CubeSat Aerospace is a compact, flight-ready control system designed for 1U–3U CubeSats, integrating essential subsystems like power manage

Processor	STM32F765 ARM Cortex-M7, 216 MHz
Memory	4 MB MRAM (non-volatile, radiation-tolerant)
Memory	microSD card slot for data logging
Sensors	9-axis IMU (accelerometer, gyroscope, magnetometer)
Sensors	Sun sensor interface via solar panel FFC

price on request

American aerospace and defense electronics company providing rugged computing and data acquisition systems for space and defense platforms.



Curtiss-Wright Defense Solutions

KAM/CSB/12U Smart Backplane Chassis

A rugged, 12-slot radiation-tolerant chassis that lets standard commercial data acquisition modules operate safely in space radiation environments, reducing the cost of space-grade

Slots	12
Family	KAM-500 (Acra KAM-500)
Radiation protection	Rad-hard backplane detects and corrects Single Event Latch-Up per module
COTS module compatibility	100+ standard COTS I/O plug-in modules
Power feature	Per-module on/off control to minimize power consumption

price on request



Curtiss-Wright Defense Solutions

Rugged Embedded Computing for Space

Curtiss-Wright Defense Solutions' rugged VPX computing boards, data acquisition systems, and mission computers for space launch vehicles and satellite applications.

Products	SBCs (VPX/VME), data acquisition, solid-state recorders, mission computers
Processor Families	Intel Xeon-D, NXP PowerPC (radiation-tolerant variants)
Bus Standards	VPX (VITA 65), VME, PCIe
Certifications	D0-254/D0-178C available for safety-critical airborne/space
Applications	Launch vehicle avionics, payload data handling, SAR/E0 data processing

price on request

Vertically integrated Indian defence and aerospace electronics company designing and manufacturing avionics, microelectronics, RF/microwave, radar, test equipment and space systems.



Data Patterns (India) Ltd.

Avionic Systems

Airborne LRUs and mission computers for manned and unmanned aircraft

price on request



Data Patterns (India) Ltd.

Cockpit & Rugged Displays

Multi-function rugged LCD cockpit displays from 3 inch to 20 inch

price on request



DP-cPCI-5202
Quad IP Carrier Module With Front I/O

DATA PATTERNS (INDIA) LTD.

COTS Boards

Open-standard COTS modules for rugged and ATE platforms

price on request

DATA PATTERNS (INDIA) LTD.

DP-OBC-0402 On Board Computer

A rugged, PC104-form-factor On Board Computer module built around a dual-core e200 processor, providing signal processing and communication interfacing for cube/nano satellite subs

Processor	e200 core processor, dual core
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Core configuration	Lock-step mode or decoupled parallel mode
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Form factor	PC104 compatible
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Extended memory	8GB SD card, 2MB external flash, 8MB SRAM
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Serial interfaces	4x RS422, 2x SPI, 3x I2C
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price on request



DATA PATTERNS (INDIA) LTD.

IP & MM (Industry Pack and M-Module Modules)

A family of Industry Pack (IP) and M-Module (MM) mezzanine I/O modules compliant with ANSI-VITA 4, providing compact, ruggedised digital, communication, sensing and precision-sourc

DP-IP-3039	48 Channel Digital I/O IP Module
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DP-IP-3084	48 Channel TTL I/O IP Module
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DP-IP-3113	16 Channel Differential Digital I/O Module
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DP-IP-4221	8 Channel RS422/485 Serial Communication IP Module
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DP-IP-4299	8 Channel ARINC 429 IP Module
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price on request

Deimos Space (Indra)

SPAIN · 2001 · 1 PRODUCT

Spanish space engineering group (founded as Deimos Space, part of Elecnor 2001-2024) now operating as Indra Space, delivering end-to-end satellite platforms, avionics, ground segment, GNSS and space-surveillance solutions.



DEIMOS SPACE (INDRA)

Insight4EO On-Board AI Processing

On-board artificial-intelligence processing solution for low-latency Earth observation missions.

Processing type	On-board AI / edge processing
Primary applications	Maritime surveillance, emergency response, rapid Earth observation
Output	Autonomous, classified E0 products and alerts

price on request

Edge Aerospace

LUXEMBOURG · 1 PRODUCT

Developer of high-performance orbital Data Processing Units (DPUs) for autonomous space operations.



EDGE AEROSPACE E-Series: Orbital DPUs

The E-Series Orbital DPUs are high-performance Data Processing Units fully qualified for space operation, designed for reliable command & control, data handling, and AI-enabled

Function	Command & control, data handling, AI-enabled autonomy
Qualification	Qualified and proven for space operation

price on request

EDGX

BELGIUM · 2023 · 2 PRODUCTS

Belgian NewSpace company developing in-orbit edge AI computing solutions; makes the EDGX Sterna Computer — Europe's first NVIDIA-based onboard payload data processing unit for satellites.



EDGX EDGX Sterna DPU — Onboard AI Compute powered by NVIDIA

The EDGX Sterna DPU is a space-qualified, mission-ready data processing unit (DPU) for satellite onboard computing, built on NVIDIA Orin GPU technology. Europe's first mature

Compute Architecture	NVIDIA Orin GPU
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EDGX Sterna

Sterna is a flight-proven, space-hardened edge computing platform designed to provide supercomputing capabilities in orbit for ambitious satellite payloads.

Computational Power	Up to 157 TOPS (NVIDIA Jetson Orin NX 16GB)
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Radiation Hardening	Mission-ready radiation hardening applied
First In-orbit Demo	March 2026, SpaceX Transporter-16
Companion Software	SpaceFeather Software
Target Orbit	LEO
price on request	

Baseline Computational Power	100 TOPS (NVIDIA Jetson Orin NX 16GB)
Scalable Power	10W–40W (Jetson Orin Nano or NX)
Power Presets	10W, 15W, 25W, 40W
Launch Compatibility	Falcon 9, Ariane 6, Vega-C
price on request	datasheet

Eidel

NORWAY · 1966 · 1 PRODUCT

Norwegian space and defence electronics company specializing in telemetry, secure communications, and mission-critical instrumentation since 1966.



EIDEL

EIDEL Remote Interface Unit (ERIU)

Modular, high-performance interface unit bridging spacecraft buses and scientific payloads — SpaceWire/CAN/RS-422 support, FPGA hardware acceleration.

Interfaces supported	SpaceWire, CAN bus, RS-422
Processing	Dedicated FPGA hardware acceleration
Optional features	Encryption, on-board mass storage
Architecture	Modular, configurable analog/digital I/O channels

price on request

ElmSpace

GERMANY · 1 PRODUCT

Developer of fluid-dynamic attitude control systems, gyroscopes, and air bearings for the space industry.



ELMSPACE

G-200 / G-510 Gyroscopes

Gyroscope product line (G-200 and G-510 models) for satellite attitude sensing applications.

Models	G-200, G-510
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price on request [datasheet](#)

Emtech Space

GREECE · 1 PRODUCT

Greek space engineering company delivering advanced modeling, simulation, independent software verification, magnetic cleanliness testing, and IOD/IOV mission support. Holder of a €4M ESA Hellenic Space Dawn Mission contract.



EMTECH SPACE

Emtech AstroCore-R Onboard Computing Platform

Radiation-supervised, AI-native onboard computing platform for satellites — processes raw satellite data into real-time in-orbit decisions.

Radiation tolerance	Radiation-supervised design
Processing architecture	AI-native onboard computing
Function	Real-time in-orbit data processing and autonomous decision-making
Applications	On-orbit data reduction, anomaly detection, payload scheduling, image classification

price on request

Emxys

SPAIN · 2007 · 1 PRODUCT

Emxys is a Spanish space electronics company specialising in advanced onboard computers, power systems, optical transceivers, and complete nanosatellite platforms for data-intensive space missions.



EMXYS

ODALISS DIPP

The ODALISS DIPP is a compact, high-performance Data-Intensive Payload Processor designed for satellite applications, featuring a dual-core ARM + FPGA architecture running Linux OS

Connectors	80-pins high-speed interface backplane connector.
Connectors	10-pin Pogo-style for program and debug without mechanical stress.

Connectors	10-pin Pogo-style for NAND flash data access.
Memory	eMMC NAND flash or microSD card configurable from 4GB up to 256GB.
Memory	1GB or 512GB DDR3L RAM.
price on request datasheet	

EnduroSat

BULGARIA · 2015 · 1 PRODUCT

Software-flexible CubeSat platforms (1U–16U+), shared-satellite hosted-payload service.



ENDUROSAT

Onboard Computer (OBC)

Flight computer for SmallSats and CubeSats with 2x higher radiation resilience and ADCS-ready sensors. Low power consumption with FreeRTOS development environment and an optional i

Processor	ARM Cortex M7
Program Memory	2
Mass Storage	2x 16
Voltage Supply	12
Mass	123

[price on request](#)

EREMS

FRANCE · 1979 · 2 PRODUCTS

EREMS is a French SME founded in 1979, specializing in the design and realization of electronic equipment and software for high technology fields including Space.

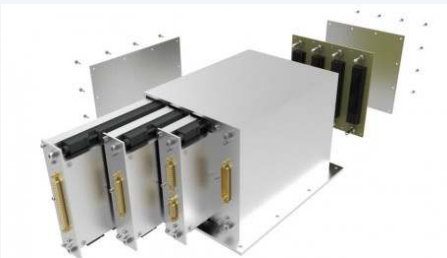


EREMS

GR740 Module (ICU CPU Module)

CPU processing module for EREMS's Modular ICU on-board computer family — GR740 processor, MIL-STD-1553/SpaceWire/CAN bus support.

Processor	GR740
Bus interfaces	MIL-STD-1553, SpaceWire, CAN



EREMS

Modular ICU (On-Board Computer Architecture)

Modular on-board computer architecture for scientific, Earth observation, exploration, and security missions — GR740 or NG-ULTRA MPSoC CPU options.

FPGA	NG-MEDIUM
CPU option 1	GR740 microprocessor

price on request

CPU option 2

NG-ULTRA MPSoC

Power module

DC/DC converter (CV module)

price on request

EXA (Astro-und Feinwerktechnik)

GERMANY · 1993 · 1 PRODUCT

German manufacturer of reaction wheels, CubeSat picosatellite deployers, and AOCS components for small satellites, based in Berlin-Adlershof.



EXA (ASTRO-UND FEINWERKTECHNIK)

ASTROFEIN GPS receiver unit- ARGO

ARGO-L1 is a configurable, redundant GPS receiver unit designed for LEO missions, offering improved solution availability through a dual independent passive receive antenna system.

Frequency	GPS L1 Band, C/A code
Number of correlator channels	12
Signal acquisition threshold	35 dB-Hz
Receiver startup mode TTFF warm start	< 3 min (90%)
Receiver startup mode TTFF cold start	< 15 min (90%)

price on request

[datasheet](#)

Exolaunch

GERMANY · 2008 · 1 PRODUCT

Berlin-based launch and deployment services company providing end-to-end rideshare missions, satellite integration, and proprietary separation hardware for small satellites.



EXOLAUNCH

EXObox

Deployment sequencer managing up to 50 satellites per unit, galvanically isolated with internal power supply; 7 missions, 132 smallsats flown.

Maximum satellites managed per unit	50
Power supply	Internal, galvanically isolated from launch vehicle

CPU redundancy	Redundant CPU and power supply
Telemetry	Deployment confirmation and telemetry relay (transparent transceiver)
Scalability	Multiple units per mission (unlimited cluster size)
price on request datasheet	

Gaisler

SWEDEN · 2001 · 1 PRODUCT

Radiation-hardened microprocessors, IP cores, and software for space and high-reliability embedded systems.



GAISLER

GR740

The GR740 is a radiation-hardened system-on-chip featuring a quad-core fault-tolerant LEON4FT SPARC V8 processor, an eight-port SpaceWire router, and various interfaces for space a

TRL

9

[price on request](#)
[datasheet](#)

Gauss Srl

ITALY · 2012 · 1 PRODUCT

Italian company specializing in complete lifecycle management of CubeSats and NanoSatellites: design, manufacturing, subsystems, ground stations and deployers.



GAUSS SRL

ABACUS On-Board Computer

General-purpose dual-core (MCU + FPGA) on-board computer for satellite and CubeSat missions with flight-proven heritage.

Cores

Two cores (MCU MSP430 and FPGA Spartan-3E) directly interconnected with a 24-line bus

MCU

MSP430 EP series, 16-bit RISC MCU, up to 25MHz, HiRel Enhanced Product (Texas Instruments)

Analog I/O	10x 3.3V analog input; up to 45x digital GPIO channels
GPIO	16x voltage-level-shiftable GPIOs with interrupt features
COM ports	4x COM ports (one also RS422/485, Full or Half Duplex)

price on request [datasheet](#)

Glavkosmos

RUSSIA · 1985 · 12 PRODUCTS

Glavkosmos coordinates international human spaceflight projects, facilitates satellite launches, develops and supplies rocket components, and provides equipment for space crews.



GLAVKOSMOS

Absolute Pressure Sensor Vt 222M

The Absolute Pressure Sensor Vt 222M is designed for measuring absolute pressure of gaseous and vaporous non-aggressive media in launch vehicle control systems, featuring high mech

Range of measurements, mm Hg	0-20; 0-40; 0-80; 0-160; 0-250; 0-460; 0-760; 0-1000; 0-1500
The basic error, %	±2,5
Rated output signal, V	5,5+0,7-0,9
Consumption current, mA, not more	60
Weight, kg	0.65

price on request



GLAVKOSMOS

Angular accelerometer

An angular accelerometer designed for integration into gyro-stabilized platforms, providing measurement of apparent acceleration for ballistic and space equipment.

Purpose	Working as part of a gyro-stabilized platform.
Year of release	1986
Guaranteed service life (years)	17
Estimated production / delivery time (months)	7
Flight qualification of the product	yes

price on request



GLAVKOSM05

Asynchronous controlled electric motor

A two-phase asynchronous controlled electric motor with a hollow non-winding rotor, designed for automation systems requiring low-power drive in transformer remote transmissions of

Purpose	The asynchronous controlled electric motor is designed for automation systems, for example
Year of release	1976
Guaranteed service life (years)	8
Estimated production / delivery time (months)	5
Height, mm	50

price on request



GLAVKOSM05

Integrated Circuit 1879 VM8Y

28 nm CMOS heterogeneous computing microcircuit with ARM Cortex-A5 core for real-time video, radar and neural-network processing.

Package type	HFCBGA-1444
Supply voltage	Core 0.9 V; CMOS I/O 1.8 V; DDR3 I/O 1.5 V
Dynamic current consumption	CMOS buffers: 3 A (UCC1=1.98V); DDR3 buffers: 3.8 A (UCC2=1.60V)
Operating temperature	-60°C to +85°C
Technology	CMOS 28 nm

price on request



GLAVKOSM05

Motherboard

A Raspberry Pi Compute Module carrier board for satellite control, integrating ADCS sensors, an EM torquer driver and an onboard ADCS controller on a CAN bus architecture.

Purpose	Designed for satellite control. Provides satellite stabilization.
Year of release	2017
Guaranteed service life (years)	1
Estimated production / delivery time (months)	2
Flight qualification of the product	Yes

price on request



GLAVKOSM05

Motherboard (w/Raspberry-Pi, Soft, and ADCS-controller)

Raspberry Pi Compute Module nanosatellite OBC+ADCS carrier (60 g, CAN/I2C/SPI/UART, -40 to +60 °C) with integrated ADCS controller.

Purpose	Satellite control with ADCS – stabilization and target algorithm execution, three-axis ori
Year of release	2018
Guaranteed service life	1 year
Estimated production/delivery time	2 months
Flight qualification	Not yet flight qualified

price on request



GLAVKOSMOS

Motherboard (w/set of Sensors, Raspberry-Pi and Soft)

A Raspberry-Pi Compute Module carrier board with integrated sensors and ADCS controller, designed for satellite control and stabilization.

Purpose	Designed for satellite control. Provides satellite stabilization and target algorithms per
Year of release	2017
Guaranteed service life	1 years
Estimated production / delivery time	2 months
Flight qualification of the product	No

price on request



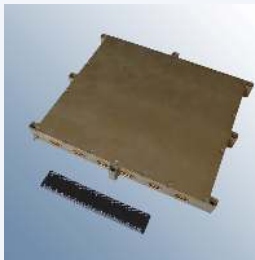
GLAVKOSMOS

Nanosatellite Onboard Computer

An onboard computer for nanosatellites that collects sensor data, processes measurements, stores results, forms control actions, and processes telecommands/telemetry.

Year of release	2016
Guaranteed service life	1 year
Estimated production / delivery time	6 months
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

On-board Memory Unit

The On-board Memory Unit is a flight-qualified data storage solution for small satellites and secondary payloads on larger spacecraft, offering autonomous data handling and high th

Purpose	Small satellites on-board data handling subsystems. Autonomous storage for the secondary p
Year of release	2014
Guaranteed service life	7 years
Estimated production / delivery time	12 months
Flight qualification of the product	Yes

price on request



GLAVKOSMOS

Payload Baseboard

A PC/104 compatible Payload Baseboard designed for the development of satellite payloads and other systems, featuring a microcontroller with a CAN driver for satellite bus access.

Purpose	Can be used for development of payload and other systems compatible with PC/104 bus.
Year of release	2018
Guaranteed service life	1 years
Estimated production / delivery time	1 months
Flight qualification of the product	No

price on request



GLAVKOSMOS

Pressure Sensor DAV 068

The DAV 068 is a flight-qualified pressure sensor designed for measuring absolute pressure of liquid and gaseous media in rocket and space technology monitoring and diagnostics sys

Range of measurements, Mpa	0-0,03; 0-0,06; 0-0,125; 0-0,25; 0-0,5; 0-1; 0-1,6
The basic error,%	±0,6
The normalizing value of the output signal, mV / V	1,35±0,05
Consumption current with a secondary converter, mA, not more	50
Weight, kg	0,2

price on request



GLAVKOSMOS

String accelerometer

A string accelerometer designed to measure the apparent acceleration of space objects, with flight heritage on the Soyuz launch vehicle.

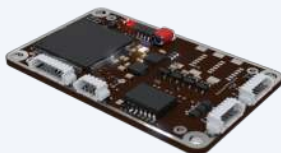
Year of release	1972
Guaranteed service life (years)	15
Estimated production / delivery time (months)	6
Flight qualification of the product	yes
Brief history of flight qualification	as part of the LV "Soyuz"

price on request

GomSpace

DENMARK · 2007 · 2 PRODUCTS

GomSpace is a Danish CubeSat manufacturer producing satellite platforms, subsystems, and end-to-end mission solutions. Products include the NanoCom radio modules, NanoPower EPS, and complete 1U–12U satellite platforms. GomSpace has one of t



GOMSPACE

NanoMind A3200

The NanoMind A3200 is a highly miniaturized on-board computer designed for seamless integration with GomSpace NanoDock platforms and diverse space missions.

Form Factor	PC104 (9.0 cm x 9.6 cm)
MCU	AVR32 with power-saving capabilities
Flash Memory	512 KB built-in flash, 128 MB NOR flash (2 x 64 MB dies)
FRAM	32 kB for configuration storage
SDRAM	32 MB

price on request [datasheet](#)



GOMSPACE

NanoMind A3200 On-Board Computer

GomSpace on-board computer that seamlessly integrates with the NanoDock platform ecosystem for CubeSat command and data handling.

Type	On-board computer (C&DH)
Integration	GomSpace NanoDock platform compatible
Protocol	CSP (CubeSat Space Protocol)
Application	CubeSat command and data handling

price on request [datasheet](#)

Hongqing Technology (鸿擎科技)

CHINA · 2021 · 1 PRODUCT

Beijing satellite constellation company partnered with Blue Arrow Aerospace; develops communications, remote sensing, and science satellites plus in-house Jinwu propulsion, Chiyu power, and Baize electronics subsystems.



HONGQING TECHNOLOGY (鸿擎科技)
Baize Integrated Electronics System

The Baize Integrated Electronics System is Hongqing Technology onboard satellite avionics platform, serving as the mission commander for all satellite operations. It integrates att

Functions	Attitude control, power management, thermal control, telemetry/telecommand, health monitor
Architecture	Highly integrated single-board avionics platform
Software	Advanced software architecture with in-orbit reconfiguration support
Health Monitoring	Autonomous anomaly detection and corrective action
In-Orbit Reconfiguration	Supported

price on request

Innoflight

UNITED STATES · 2004 · 7 PRODUCTS

Innoflight, Inc. is a US-based aerospace electronics company headquartered in San Diego, California, developing advanced software-defined radios (SDR), cryptographic communication systems, and flight computers for small satellites, CubeSats



INNOFLIGHT
CFC-400XS Compact Flight Computer

CubeSat compact flight computer with defense-grade Xilinx UltraScale+ MPSoC, CyberDog software suite and Linux reference design, flying since 2021.

Processor board	Defense-grade Xilinx UltraScale+ MPSoC (GPP + FPGA)
Supervisor board	Radiation tolerant, implementing radiation mitigation techniques
Daughter card interfaces	Low + medium + high speed serial; 3x-8x 1000Base-T



INNOFLIGHT
CFC-405XP / CFC-450XP Compact Flight Computer

3U VPX compact flight computer with defense-grade Xilinx UltraScale+ MPSoC, five gigabit Ethernet ports and serial interfaces, flying since 2025.

Processor board	Defense-grade Xilinx UltraScale+ MPSoC (GPP + FPGA)
Supervisor board	Radiation tolerant, implementing radiation mitigation techniques
Interfaces	Ethernet 5x 1000Base-T (GbE); serial RS-422, LVDS, UART

	(GbE) Ethernet
Software	CyberDog Software Suite, Linux reference design; on-orbit re-programmable
Applications	C&DH, payload interface and data processing, BMC3
price on request	



INNOFLIGHT CFC-510P Compact Flight Computer GPU-based 3U VPX flight computer on AMD Ryzen with CUDA runtime environment, 539 g and 40 W max, flying since 2025.	
Processor board	AMD Ryzen GPU
Supervisor board	Radiation tolerant, implementing radiation mitigation techniques
Software	CyberDog Software Suite, Linux reference design, CUDA runtime environment
Heritage platform	CFC-500S / CFC-500P (NVIDIA Tegra K1 GPU)
Form factor	3U VPX module 171 x 100 x 25 mm
price on request	

Software	CyberDog Software Suite, Linux reference design; on-orbit re-programmable
Form factor	3U VPX module 171 x 100 x 25 mm
price on request	



INNOFLIGHT CFC-600P Compact Flight Computer (AI/ML) AI/ML flight computer on defense-grade AMD Versal AI Edge adaptive SoC, 3U VPX, 500 g, 70 W max.	
Processor board	Defense-grade AMD Versal AI Edge adaptive SoC
Supervisor board	Radiation tolerant, implementing radiation mitigation techniques
Software	CyberDog Software Suite, Linux reference design; on-orbit re-programmable
Applications	AI/ML, C&DH, mission data processor, payload interface electronics, BMC3
Form factor	3U VPX module 172 x 100 x 25 mm
price on request	



INNOFLIGHT

IOI-8 Input/Output Interfaces Module

3U VPX Ethernet I/O module with four 2.5GBase-T and four 1000Base-T ports, 501 g and 7 W.

Interfaces	4x 2.5GBase-T (2.5 GbE), 4x 1000Base-T (GbE)
Form factor	3U VPX module 171 x 100 x 24 mm
Mass	501 g
Power	7 W
TRL / MRL	9 / 10

price on request



INNOFLIGHT

MTE-110 Mission Timing Electronics

CubeSat timing unit with embedded chip scale atomic clock (CSAC) and radiation-tolerant IA design, 250 g at 3 W.

Clock	Embedded Chip Scale Atomic Clock (CSAC)
Design	Radiation tolerant Information Assurance (IA)
Control	2x RS-422 UART
Inputs	2x RS-422 PPS (Red), typically GPS receivers
Outputs	3x LVDS PPS (Red), 8x LVDS PPS (Black), 2x RS-422 PPS (Black), 8x LVDS 10 MHz (Black)

price on request



INNOFLIGHT

SSD-2000 Solid-State Drive

3U VPX solid-state storage module with up to 2 TB, dual PCIe m.2 SSDs at 1300 MB/s read and 500 MB/s write.

Capacity	Up to 2 TB
Drives	2x PCIe m.2 SSDs
Read speed	1,300 MB/s
Write speed	500 MB/s
I/O	Through VPX backplane

price on request

Institute of Aeronautical Engineering

INDIA · 1 PRODUCT

The Institute of Aeronautical Engineering (IARE) in Hyderabad is a specialized engineering institution with a core focus on aeronautical and aerospace engineering. IARE offers cutting-edge programs in aerospace systems, avionics, and satell

INSTITUTE OF AERONAUTICAL ENGINEERING

IARE Aerospace Systems Laboratory

The IARE Aerospace Systems Laboratory at the Institute of Aeronautical Engineering conducts research in aerospace systems, avionics, and satellite

technology, supporting developmen

Type	Research Laboratory
Specialization	Aeronautical and Aerospace Systems
Institution	IARE Hyderabad
Country	India

price on request

JAVAD GNSS

UNITED STATES · 2007 · 1 PRODUCT

American GNSS technology company manufacturing high-precision positioning receivers for surveying, geodesy, and machine control applications.



JAVAD GNSS TR-2S LEO

The TR-2S LEO is a USA-built GNSS board specifically designed for Low Earth Orbit (LEO) applications, manufactured by JAVAD GNSS.

Channels	874
Memory	64GB
Interfaces	Ethernet, USB, serial, IRIG time codes, external frequency in/out, CAN, 1PPS/event marker
Antenna inputs	1x (3S/3SW), 2x (DI/DIW), 4x (QM)

price on request

Kayser Space

ITALY · 1986 · 2 PRODUCTS

Kayser Space designs, manufactures, integrates, and tests hardware and platforms for space programs, supporting over 100 missions and microgravity research.



KAYSER SPACE Instrument Control Unit (ICU)

Space-qualified central electronic architecture interfacing spaceborne scientific instruments with the host spacecraft — modular design for automated or crew-assisted operations.



KAYSER SPACE TPPRE (Thruster Pointing and Pressure Regulation Electronics)

Electronics subsystem controlling electric propulsion thruster pointing and Xenon pressure regulation — hot/cold redundancy, double-failure-tolerant for deep-space missions.

Functions	Power distribution, command handling, data acquisition, communications interface
Design	Modular – adapts to automated or crew-assisted operations
price on request	

Function	Xenon valve actuation and thruster pointing control
Redundancy	Hot/cold redundancy, double-failure-tolerant
Interfaces	Xenon Pressure Regulator Unit, Thruster Pointing Mechanisms
price on request	

KP Labs

POLAND · 2016 · 1 PRODUCT

Polish space AI company developing advanced on-board data processing solutions for satellites, enabling real-time AI-powered Earth observation and mission autonomy in orbit.



KP LABS

Antelope Advanced Data Processing Unit

PC-104 CubeSat data processing unit with AMD Zynq UltraScale+ MPSoC, 160 GOPS, 4-8GB DDR4 ECC, enabling onboard AI and signal processing at ~130g with CAN/SpaceWire/Ethernet interf

Processor	AMD Zynq UltraScale+ MPSoC (ZU2/3/4/5 variants)
CPU Cores	Quad ARM Cortex-A53 @ up to 1.5 GHz + Dual Cortex-R5
FPGA	Included (programmable fabric)
Performance	160 GOPS
RAM	4-8 GB DDR4 with ECC

[price on request](#)
[datasheet](#)

LiquidCool Solutions

UNITED STATES · 2006 · 1 PRODUCT

Total liquid immersion cooling technology for servers and electronics, using patented Directed-Flow cooling in standard 19-inch racks for data center, edge, and rugged industrial applications.



LIQUIDCOOL SOLUTIONS

LCS MiniNODE Industrial Computing System

IP67-sealed fanless industrial PC with immersion cooling — AMD Ryzen 5, 32 GB DDR4, 1 TB NVMe, no AC/water needed, 0°C–45°C, for harsh

environments including space, defense, oil &a

CPU	AMD Ryzen 5 5600G (6C/12T, 4.4 GHz boost)
Memory	32 GB DDR4 2933 MHz (64 GB max)
Storage	1 TB M.2 NVMe
IP rating	IP67 sealed
Dimensions	16" W × 18" D × 4.5" H

price on request

MinoSpace

CHINA · 2017 · 1 PRODUCT

Chinese commercial satellite manufacturer building Earth observation, communications, and remote sensing satellites, plus payloads, components, and ground terminal systems.



MINOSPACE Satellite Attitude Control Computer

A 3U board-sized attitude control computer for small satellites (50-200kg) that handles attitude information acquisition, adjustment, and control.

Board Card Size	Standard 3U
Suitable for Satellite Weight	50-200kg

price on request

Motiv Space Systems

UNITED STATES · 2014 · 1 PRODUCT

Motiv Space Systems designs and builds space robotics, motor controllers, and mechanisms, including the robotic arm on NASA's Mars 2020 Perseverance rover.



MOTIV SPACE SYSTEMS BRAVO-II Motor Controller

The BRAVO-II is a dual-axis motor controller card designed for space applications, supporting BLDC and 3-axis stepper motors with current, velocity, and position control.

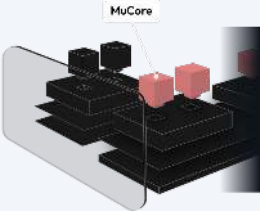
Axis	Dual Axis Motor Controller Card
Motor Support	BLDC / 3-Axis Stepper

Control	Current, Velocity, & Position
Motor Velocity	500-10,000 RPM (typ)
Environment	GEO
price on request datasheet	

Muon Space

UNITED STATES · 2021 · 1 PRODUCT

Muon Space is the Mission Foundry, designing, building, and operating high-performance satellite constellations for defense, civil, and commercial customers.



MUON SPACE

MuCore

Software-defined instrument core built on a Network-on-Chip architecture for flexible, high-bandwidth sensor data processing.

Architecture	Software-defined Network-on-Chip (NoC)
Signal processing	Parallel signal processing chains (GNU Radio-like compute blocks)
Sensor compatibility	Flexible interfacing with a wide variety of high-performance sensor hardware
Data routing	Routes processed data to various communication interfaces for downlink or cross-spacecraft

[price on request](#)

N7 Space

1 PRODUCT

N7 Space provides embedded software development and MBSE solutions for the space industry, specializing in on-board software for satellites and offering related services and toolchains.



N7 SPACE

ICE Cube — On-Board Computer Unit (OBCU)

Radiation-tolerant on-board computer unit for CubeSats — LEON3 SPARC V8 processor, RTEMS RTOS, SpaceWire and CAN interfaces, developed for ESA/CERN ICE Cube experiment.

Processor	LEON3 SPARC V8
OS	RTEMS
Interfaces	SpaceWire, CAN
Radiation tolerance	Radiation-tolerant memory and logic
Program	ESA/CERN ICE Cube (ISS experiment)
price on request	

NanoAvionics

LITHUANIA · 2014 · 1 PRODUCT

Pre-integrated nanosatellite buses (3U–16U+ MP42), green chemical propulsion, mission integration.



NANOAVIONICS

CubeSat Payload Controller

Dedicated payload controller / on-board data storage module for CubeSat experiments.

Type	Payload data / control unit
Function	Power switching, data acquisition, storage
Flight heritage	60+ satellites launched, 300+ in production (per nanoavionics.com)

price on request

Needronix

POLAND · 2017 · 1 PRODUCT

Polish smallsat hardware company designing and manufacturing components and subsystems for CubeSats and small satellites, serving commercial and institutional space customers across Europe.



NEEDRONIX

Sparrow OBC Node

Miniature on-board computer (OBC) node for CubeSat satellite bus — distributed computing architecture, RTOS support, low power, compatible with Needronix ADCS and communications pr

Type	Distributed OBC node
------	----------------------

OS support	RTOS
Functions	Command/data handling, payload interface, housekeeping
Compatibility	Needronix Cormorant, Eagle, ADCS ecosystem
price on request	

Novi

UNITED STATES · 2020 · 2 PRODUCTS

American space technology company developing satellite systems and space infrastructure solutions.



NOVI

NOVI Space Compute and AI Infrastructure

NOVI offers space compute and AI infrastructure, including flight-proven On-Board Computers (OBCs), Mission-as-a-Service, and GENIEEdge™ smart satellites, enabling advanced computi

Flight heritage	Supported missions for the U.S. Air Force and the Missile Defense Agency
TRL	9 (for NOVI's satellites and its SP240 On-Board Computer)

price on request [datasheet](#)



NOVI

SP240 On-Board Computer

Flight-proven (TRL 9) radiation-tolerant on-board computer for smallsats, incorporating the VORAGO microcontroller for on-orbit AI and software processing at the space edge.

TRL	9 (flight-proven, operational on orbit)
Microcontroller	VORAGO (radiation-tolerant)
Capability	On-orbit edge AI inference and software processing
Flight heritage	ISS, SpaceX Transporter-12 and prior missions
Supported programs	US Air Force, Missile Defense Agency

price on request

Omnipresent Robot Technologies

INDIA · 2010 · 1 PRODUCT

Indian deep-tech company building autonomous space, aerial and robotic systems, including SAR satellites, onboard edge-computing payloads and AI perception software for defense and commercial use.

OMNIPRESENT ROBOT TECHNOLOGIES

OmniEye

Onboard satellite edge-computing module for real-time data fusion and analytics.

price on request

OrbitsEdge is a Cocoa Beach, Florida-based company developing ruggedized, flight-qualified edge computing platforms that bring high-performance data processing and AI inference directly into orbit.



ORBITSEGE
OrbitsEdge Orbital Edge Platforms and Ground-Based Development Boards

OrbitsEdge delivers high-performance, ruggedized compute systems for spacecraft, enabling real-time data processing and AI inference in orbit, alongside ground-based development bo

price on request

Pumpkin, Inc.

San Francisco-based manufacturer of flight-proven CubeSat kits, SUPERNOVA nanosatellite buses, and spacecraft power/electronics components, with over 150 kits delivered and dozens of successful space missions since 2003.



PUMPKIN, INC.
Breakout Board Module

A CubeSat Kit development module that breaks out all bus I/O, USER and MHX signals to headers compatible with common logic analyzers and protocol analyzers.

SKU	711-00380
Price	\$255.00
Classification	Development Hardware
Breakout signals	48 I/O signals (IO.[47..0]), 8 USER[7..0] signals, MHX signals, -RESET
Protocol analyzer header	10-pin breakout header for I2C/SPI protocol analyzers

\$255 [datasheet](#)



PUMPKIN, INC.
CubeSat Kit Upgrade to C8051

A hardware-and-software upgrade bundle that adds Silicon Labs C8051F120 development and flight capability to an existing CubeSat Kit.

SKU	711-00717
Includes	Pluggable Socketed Processor Module B (PSPM B) with C8051F120; Pluggable Processor Module
Required Toolchain	Keil PK51 Professional Developer's Kit (purchased separately)
Hardware/Software Class	Development Hardware Development Software Flight Hardware Flight Qualified Space P
Purchase Restriction	Available only to customers who have already purchased a CubeSat Kit

price on request [datasheet](#)



PUMPKIN, INC.

CubeSat Kit Upgrade to dsPIC33

A software and hardware upgrade package adding Microchip dsPIC33FJ256GP710 support to an existing CubeSat Kit purchase, for customers who originally bought a Kit with a different p

SKU	711-00719
Price	\$5,455.00 per item
Hardware/software classification	Development Hardware Development Software Flight Hardware Flight Qualified Space P
Included component	Pluggable Socketed Processor Module D (PSPM D) with dsPIC33FJ256GP710
Included component	Pluggable Processor Module D2 (PPM D2)

\$5 455



PUMPKIN, INC.

CubeSat Kit Upgrade to MSP430

A hardware-and-software upgrade bundle that adds Texas Instruments MSP430 development and flight capability to an existing CubeSat Kit.

SKU	711-00716
Includes	MSP-TS430PM64 Adapter with MSP430F2618/F1612/F1611; Pluggable Processor Module A3 (PPM A3)
Required Toolchain	CrossWorks for MSP430 (Rowley Associates), purchased separately
Hardware/Software Class	Development Hardware Development Software Flight Hardware Flight Qualified Space P
Purchase Restriction	Available only to customers who have already purchased a CubeSat Kit

price on request



PUMPKIN, INC.

CubeSat Kit Upgrade to PIC24 (PIC24FJ256GA110)

A software and hardware upgrade package adding Microchip PIC24FJ256GA110 support to an existing CubeSat Kit purchase, for customers who originally bought a Kit with a different pro

SKU	711-00718
Price	\$5,455.00 per item
Hardware/software classification	Development Hardware Development Software Flight Hardware Flight Qualified Space P
Included component	Pluggable Socketed Processor Module D (PSPM D) with PIC24FJ256GA110
Included component	Pluggable Processor Module D1 (PPM D1)

\$5 455



PUMPKIN, INC.

CubeSat Kit Upgrade to PIC24 (PIC24FJ256GB210)

A software and hardware upgrade package adding Microchip PIC24FJ256GB210 support to an existing CubeSat Kit purchase, for customers who originally bought a Kit with a different pro

SKU	711-00795
Price	\$5,455.00 per item
Hardware/software classification	Development Hardware Development Software Flight Hardware Flight Qualified Space P
Included component	Pluggable Socketed Processor Module E (PSPM E) with PIC24FJ256GB210
Included component	Pluggable Processor Module E1 (PPM E1)

\$5 455



PUMPKIN, INC.

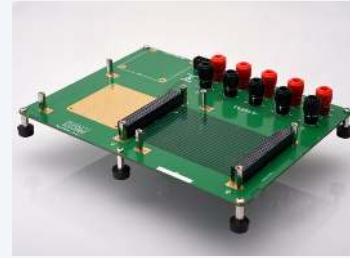
Development Board (DB)

Pumpkin CubeSat Kit module that hosts a Pluggable Processor Module (PPM) to form a low-power 8- or 16-bit MCU/DSC command-and-data-handling (C&DH) module for a CubeSat.

SKU	710-00297
Price	\$1,710.00
Bus interface	CubeSat Kit Bus standard, 104-pin connector
Compatible processor modules	PPM A1, PPM A2, PPM A3, PPM B1, PPM D1, PPM D2, PPM E1
Ordering restriction	A la carte orders require prior purchase of a complete CubeSat Kit

\$1 710

[datasheet](#)



PUMPKIN, INC.

Development Board 2 (DB2)

A simple development tool board for CubeSat modules conforming to the 104-pin CubeSat bus standard, used to characterize power requirements and support testing of CubeSat Kit-compa

Bus connectors	Two interconnected 104-pin CubeSat bus connectors with M3 standoffs
Module stacks supported	Two
Debug header	10-pin header for Total Phase I2C host adapters/protocol analyzers (I2C, first SPI bus sig
Power bus test points	Four pairs red/black banana jacks (plus a fifth pair reserved for EPSM 1)
USB Debug Adapter mounting	Mounting hole pattern provided in a corner of the DB2

\$375



PUMPKIN, INC.

I/O LED Module

A CubeSat Kit development module that visually displays the status of all 48 bus I/O lines on LEDs for at-a-glance monitoring during integration and test.

SKU	710-00521
Price	\$360.00
Classification	Development Hardware
I/O signals monitored	48 (I0.[47..0])
Signal buffering	Every I/O signal buffered

\$360

[datasheet](#)



PUMPKIN, INC.

Motherboard Module (MBM)

Pumpkin's flagship flight on-board computer carrier module: combined with a Pluggable Processor Module it forms a low-power 8- or 16-bit MCU/DSC command-and-data-handling (C&DH)

Price	\$1,575.00
Hardware classification	Flight Hardware Flight Qualified Space Proven
Module height	0.600 in (15.24 mm)
Bus interface	CubeSat Kit Bus standard, 104-pin connector
Type options	Stackthrough, Non-Stackthrough

\$1 575

[datasheet](#)



PUMPKIN, INC.

Motherboard Module 2 (MBM2)

1 GHz ARM Cortex-A8 Linux on-board computer module for CubeSats with 4.5x UARTs, I2C, SPI, Ethernet, RS-422, and 104-pin CubeSat Kit bus.

Processor	1 GHz ARM Cortex-A8 (BeagleBone Black)
Operating System	Linux
Programming Languages	C, C++, Python, Perl, Rust
UARTs	4.5x
GPIO	6x

\$7 225

[datasheet](#)



PUMPKIN, INC.

Pluggable Processor Module A1 (PPM A1), with TI's MSP430F1612

Flight-qualified, space-proven pluggable command-and-data-handling processor module built around TI's MSP430F1612 16-bit MCU, for use with the CubeSat-compatible Motherboard Module

SKU	710-00485
MCU	TI MSP430F1612, 16-bit
Internal Flash Memory	55KB
Internal RAM	5KB
Clock Speed	7.3728MHz

price on request

[datasheet](#)



PUMPKIN, INC.

Pluggable Processor Module A2 (PPM A2), with TI's MSP430F1611

Flight-qualified, space-proven pluggable command-and-data-handling processor module built around TI's MSP430F1611 16-bit MCU, for use with the CubeSat-compatible Motherboard Module

SKU	710-00486
MCU	TI MSP430F1611, 16-bit
Internal Flash Memory	48KB
Internal RAM	10KB
Clock Speed	7.3728MHz

price on request

[datasheet](#)



PUMPKIN, INC.

Pluggable Processor Module A3 (PPM A3), with TI's MSP430F2618

Flight-qualified, space-proven pluggable command-and-data-handling processor module built around TI's MSP430F2618 16-bit MCU, for use with the CubeSat-compatible Motherboard Module

SKU	710-00516
MCU	TI MSP430F2618, 16-bit
Internal Flash Memory	116KB
Internal RAM	8KB
Clock Speed	7.3728MHz

price on request

[datasheet](#)



PUMPKIN, INC.

Pluggable Processor Module B1 (PPM B1)

Flight-qualified, space-proven pluggable command-and-data-handling processor module built around Silicon Labs' C8051F120 8-bit MCU, for use with the CubeSat-compatible Motherboard

SKU	710-00487
MCU	Silicon Labs C8051F120, 8-bit, soldered in place
Internal Flash Memory	128KB
Internal RAM	8,848B
Max Clock Speed	100MHz

[price on request](#) [datasheet](#)



PUMPKIN, INC.

Pluggable Processor Module D1 (PPM D1)

Flight-qualified, space-proven CubeSat Kit processor module for the Motherboard Module (MBM), built around a soldered Microchip PIC24FJ256GA110 microcontroller.

SKU	710-00527
Price	\$655.00 per item
Hardware classification	Flight Hardware Flight Qualified Space Proven
Processor	Microchip PIC24FJ256GA110 (16-bit MCU, soldered)
Internal Flash memory	256 KB

\$655



PUMPKIN, INC.

Pluggable Processor Module D2 (PPM D2)

Flight-qualified, space-proven CubeSat Kit processor module for the Motherboard Module (MBM), built around a soldered Microchip dsPIC33FJ256GP710 Digital Signal Controller.

SKU	710-00528
Price	\$655.00 per item
Hardware classification	Flight Hardware Flight Qualified Space Proven
Processor	Microchip dsPIC33FJ256GP710 (16-bit DSC, soldered)
Internal Flash memory	256 KB

\$655



PUMPKIN, INC.

Pluggable Processor Module E1 (PPM E1)

Flight-qualified, space-proven CubeSat Kit processor module for the Motherboard Module (MBM), built around a soldered Microchip PIC24FJ256GB210 microcontroller.

SKU	710-00748
Price	\$655.00 per item
Hardware classification	Flight Hardware Flight Qualified Space Proven
Processor	Microchip PIC24FJ256GB210 (16-bit MCU, soldered)
Internal Flash memory	256 KB

\$655



PUMPKIN, INC.
Pluggable Socketed Processor Module B (PSPM B)

A socketed development version of Pumpkin's C&DH processor module built around Silicon Labs' C8051F120 8-bit MCU, for use with the CubeSat-compatible Development Board (DB).

SKU	710-00607
MCU	Silicon Labs C8051F120, 8-bit, in 100-pin ZIF socket
Internal Flash Memory	128KB
Internal RAM	8,848B
Max Clock Speed	100MHz

[price on request](#) [datasheet](#)



PUMPKIN, INC.
Pluggable Socketed Processor Module D (PSPM D)

A pluggable, socketed processor module for the CubeSat Kit Development Board, built around a Microchip PIC24FJ256GA110 MCU or dsPIC33FJ256GP710 DSC in a user-replaceable ZIF socket

SKU	710-00608
Price	\$855.00 per item
Hardware classification	Development Hardware
Processor options	Microchip PIC24FJ256GA110 (16-bit MCU) or Microchip dsPIC33FJ256GP710 (16-bit DSC)
Socket	100-pin ZIF (Zero Insertion Force) socket

[\\$855](#) [datasheet](#)

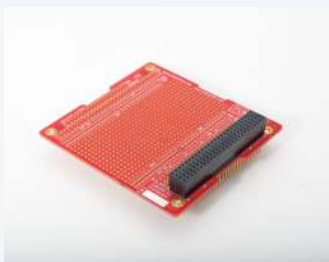


PUMPKIN, INC.
Pluggable Socketed Processor Module E (PSPM E)

A pluggable, socketed processor module for the CubeSat Kit Development Board, built around a Microchip PIC24FJ256GB210 MCU in a user-replaceable ZIF socket, with built-in USB.

SKU	710-00711
Price	\$855.00 per item
Hardware classification	Development Hardware
Processor	Microchip PIC24FJ256GB210 (16-bit MCU)
Socket	100-pin ZIF (Zero Insertion Force) socket

[\\$855](#) [datasheet](#)



PUMPKIN, INC.
Protoboard Module Kit

A prototyping PCB module for the CubeSat Kit that lets engineers wire through-hole components into circuitry connected to the CubeSat Kit Bus Connector.

SKU	711-00303
Price	\$100.00 per item
Category	Prototyping Hardware
Grid pitch	0.100"
Plated holes	roughly 500

[\\$100](#) [datasheet](#)



PUMPKIN, INC.

Pumpkin CubeSat Kit Motherboard Module 2 (MBM2)

A CubeSat Kit-compatible motherboard module designed to host a BeagleBone Black (BBB) single-board computer, serving as an on-board computer for nanosatellites and similar equipmen

Hardware Revision	F
Height	0.600"
Bus Connector	104-pin CubeSat Kit™ Bus
Footprint	PC/104-size
UARTs on CSK Bus Connector	4.5x

[price on request](#) [datasheet](#)



PUMPKIN, INC.

Pumpkin Motherboard Module (MBM) 2 Rev. F

A motherboard module designed to interface a BeagleBone Black (BBB) processor with a CubeSat Kit (CSK) bus, providing various I/O options and power management.

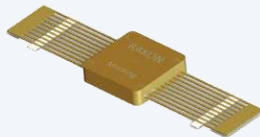
Operating temperature	-40 to +85 °C
Voltage on +5V_USB bus	-0.3 to +6 V
Voltage on +5V_SYS bus	-0.3 to +6 V
Voltage on VCC_SYS bus	-0.3 to +3.6 V
Voltage on local VCC bus	-0.3 to +3.6 V

[price on request](#) [datasheet](#)

Rakon Limited

NEW ZEALAND · 1967 · 8 PRODUCTS

Global leader in frequency control and timing solutions — space-qualified oscillators, GNSS receivers and S-band transceivers — with 40+ years of flight heritage.



RAKON LIMITED

ESCC3503001 Space Clock Oscillator (XO)

ESCC Qualified Parts List (QPL) space clock oscillator (4–100 MHz) for mission-critical satellite timing with –55 to +110°C operating range.

Frequency Range	4–100 MHz
Frequency Stability	≤±30–40 ppm
Operating Temperature	–55 to +110°C
Dimensions	16 × 16 × 3.8 mm
Package	SMD

[price on request](#) [datasheet](#)



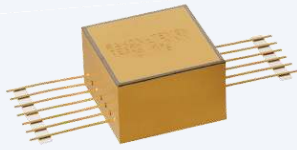
RAKON LIMITED

NewSpace Compact Master Reference Oscillator

A compact Master Reference Oscillator (MRO) designed for NewSpace constellations, generating and distributing highly stable and reliable frequency signals for telecommunications, n

Output frequency	100MHz/200 MHz
Overall frequency stability (2 years)	±50 ppb
Overall frequency stability (12 years)	±200 ppb
Output power	9 dBm
Typical phase noise @ 100 MHz (@10 Hz)	-100 dBc/Hz

[price on request](#)



RAKON LIMITED

RK300 Space TCXO

Hi-Rel space temperature-compensated crystal oscillator (10–100 MHz, $\leq \pm 0.5$ –5 ppm) for satellite frequency reference applications.

Frequency Range	10–100 MHz
Frequency Stability	$\leq \pm 0.5$ –5 ppm over temperature
Dimensions	20 × 20 × 13 mm
Type	TCXO (Temperature-Compensated Crystal Oscillator)
Product Class	Hi-Rel Space

[price on request](#) [datasheet](#)



RAKON LIMITED

RK300NS NewSpace TCXO

NewSpace TCXO at 80 and 100 MHz with ± 2 –4 ppm stability for small satellite and CubeSat frequency reference.

Frequency	80 MHz / 100 MHz
Frequency Stability	± 2 –4 ppm
Type	TCXO (NewSpace grade)
Product Class	NewSpace

[price on request](#) [datasheet](#)



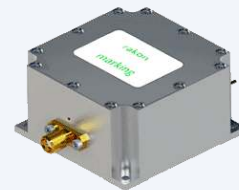
RAKON LIMITED

RK409AV Ultra-Stable Space OCXO

Ultra-stable space OCXO at 10/10.23/10.24 MHz with 2.5×10^{-13} Allan deviation at 1s for navigation satellite and scientific mission timing.

Frequency	10 MHz / 10.23 MHz / 10.24 MHz
Frequency Stability	10^{-9}
Allan Deviation	2.5×10^{-13} @ 1s averaging time
Dimensions	60 × 60 × 32 mm
Type	Ultra-Stable OCXO

[price on request](#) [datasheet](#)



RAKON LIMITED

RK409NS NewSpace OCXO

NewSpace OCXO with 10–125 MHz range and ± 1 –1000 ppb frequency pulling for LEO constellations and CubeSat timing.

Frequency Range	10–125 MHz
Frequency Pulling Range	± 1 –1000 ppb
Type	OCXO (NewSpace grade)
Product Class	NewSpace
Target Applications	LEO constellations, CubeSats, small satellites

[price on request](#) [datasheet](#)



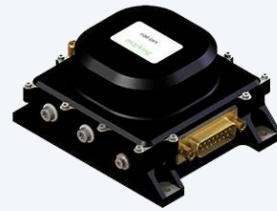
RAKON LIMITED

RK410 High Reliability Space OCXO

MIL/ECSS-qualified space oscillator with 10^{-10} stability class, used operationally by international space agencies for decades.

Package size (LxWxH)	99 x 88 x 54 mm
Nominal frequency	5 to 10 MHz
Stability class	10^{-10}
Temperature range	0 to 60 C / -20 to 60 C / -30 to 60 C (variants)
Allan deviation (ADEV)	1-10s: 2×10^{-13}

[price on request](#) [datasheet](#)



RAKON LIMITED

RK410 Space OCXO

High-reliability space-qualified oven-controlled crystal oscillator (5–10 MHz) with 10^{-10} stability for precision satellite timing.

Frequency Range	5–10 MHz
Frequency Stability	10^{-10}
Phase Noise	-122 dBc/Hz @ 1 Hz offset
Dimensions	99 x 88 x 54 mm
Type	OCXO (Oven-Controlled Crystal Oscillator)

[price on request](#) [datasheet](#)

Ramon.Space

ISRAEL · 2004 · 1 PRODUCT

Israeli developer of space-resilient, radiation-tolerant onboard computing infrastructure — AI/DSP processors, storage and communication processors that turn satellites into software-defined, autonomous systems.



RAMON . SPACE

Resilient Space Computing Systems (NuStream, NuPod, NuComm)

Ramon.Space offers a platform of resilient space computing systems, including NuStream (Storage System), NuPod (Edge Compute System), and NuComm (Communication Processor), designed

Operating Orbits	LEO, MEO, GEO and deep space
Core Technology	Vertically integrated
Architecture	Modular and scalable
Software	In orbit SW upgrades
Storage	High-density

[price on request](#)

Belgian satellite systems facility in Kruibeke, formerly QinetiQ Space nv, acquired by Redwire Space in 2022; delivers entire satellites, avionics, and the International Berthing and Docking Mechanism (IBDM).



REDWIRE SPACE BELGIUM (EX-QINETIQ SPACE)

Satellite Avionics & Power Systems

Redwire Space Belgium’s Kruibeke facility designs and manufactures satellite avionics hardware, including on-board computers (OBC), power control and distribution units (PCDU)

Product family	On-board computers (OBC)
Product family	Power control and distribution units (PCDU)
Product family	Remote terminal units (RTU)
Application	Small satellites and satellite platforms
Facility	450 m² IS07 and 250 m² IS08 cleanrooms, Kruibeke, Belgium

price on request

US builder of autonomous orbital robots (Orbots) for proximity operations, satellite inspection, in-space compute, and orbital logistics, headquartered in Laconia, New Hampshire.



ROGUE SPACE SYSTEMS CORP.

Scalable Compute Platform

The Scalable Compute Platform (SCP) is a low-SWaP, flight-demonstrated flexible compute layer for spacecraft, providing a full Linux high-performance computing environment for onbo

Flight Heritage	Flight-demonstrated on OTP-2
Third Generation SCP AI Performance	248 TOPS
Third Generation SCP Launch	Q1 2027 aboard the OTP-2B mission

price on request

Swiss-Swedish space components manufacturer providing satellite structures, thermal control products, payload electronics, and antennas for commercial and institutional programs.



RUAG SPACE

CODE+ Software Defined Drive Electronics

Software-defined drive electronics with a radiation-tolerant microcontroller, expanded sensing and in-orbit software patching.

Architecture	Fully software-defined, radiation-tolerant microcontroller
Command interface	Dual UART; CCSDS command and telemetry packets
Optional extension boards	Signal multiplexing, MIL-STD-1553B communication interface
Sensing	Direct acquisition of analog and digital sensor inputs (motor current, position indicators)
Software maintenance	In-orbit software patching

price on request [datasheet](#)



RUAG SPACE

Constellation On Board Computer (cOBC)

Fully redundant on-board computer subsystem built entirely from commercial components, with integrated GNSS receiver and platform/payload interfaces.

Architecture	Complete subsystem based entirely on commercial components
Redundancy	Fully redundant, flight-proven FDIR
Integrated functions	On-board processing, GNSS receiver, ground communication, platform and payload interfaces
Optional boards	PDIO (analogue interfaces, magnetorquers, thermistors, stepper motors incl. SADE), PROPE (

price on request [datasheet](#)



RUAG SPACE

Constellation Remote Terminal Unit (cRTU)

Customizable remote terminal unit bridging the on-board computer and platform electronic interfaces, based on the same COTS I/O boards as the cOBC.

Function	Bridge between On-Board Computer and platform electronic interfaces
Board commonality	Same commercial I/O boards as the cOBC
Customization	Additional modifications and new board types available on request

[price on request](#) [datasheet](#)



RUAG SPACE

Core Drive Electronics (CODE)

Compact, lightweight two-axis stepper motor controller for small satellite mechanisms, built as stackable modules.

Type	Two-axis stepper motor controller, modular and stackable
Motors per module	Two bipolar stepper motors, independently controlled
Redundancy	Two modules stacked vertically, cold redundancy
Power conversion	Isolated DC/DC converter with EMC filters, hardware-adjustable motor drive voltage
Mechanism signals	7 additional signals per motor connector for sensors (switches, thermistors) or heaters up

[price on request](#) [datasheet](#)



RUAG SPACE

FoX Electronics Platform

3U SpaceVPX modular avionics platform (Flexible On-board avioniX) of off-the-shelf modules for LEO, MEO, GEO and cislunar missions.

Form factor	3U SpaceVPX modular platform
Target orbits	LEO, MEO, GEO and cislunar
Communication	Ethernet-based, supporting redundancy and high data rates
Applications	Spacecraft control, edge/payload processing, payload and robotics control, GNSS receiver,

[price on request](#) [datasheet](#)



RUAG SPACE

FoX Payload Processor

High-performance processing unit for payloads, instruments and robotics, with scalable software and gateway processing.

Function	Control and data processing for payloads, instruments and robotics
Processing	Software and gateway processing, scalable to processing and storage needs
Platform	Part of the FoX Electronics Platform (3U SpaceVPX)

[price on request](#) [datasheet](#)



RUAG SPACE

Multi-Purpose Drive Electronics (MPDE)

High-performance two-axis stepper motor controller for satellite mechanisms, optimized for low micro-vibration operation.

Type	Two-axis stepper motor controller
Redundancy	Two electrically identical units for cold redundancy
Command interface	MIL-STD-1553 TC/TM (replaceable to suit platform concept)
Power conversion	Isolated DC/DC converter per unit; available for different power bus voltages
Driven mechanisms	Antenna pointing mechanisms, solar arrays, thruster pointing mechanisms

[price on request](#) [datasheet](#)



RUAG SPACE

Next Generation On Board Computer (OBC NG)

Radiation-hardened satellite on-board computer built around the Beyond Gravity CREOLE chip with fault-tolerant SPARC V8 processor.

Core ASIC	Radiation-hardened CREOLE chip developed by Beyond Gravity
Processor	Fault-tolerant SPARC V8
Integrated functions	Communication functions, reconfiguration function, mass memory controller, extension possible

[price on request](#) [datasheet](#)



RUAG SPACE

Remote Terminal Unit (RTU)

Fully redundant remote terminal unit bridging the on-board computer and platform and payload electronic interfaces.

Redundancy	Fully redundant
Function	Bridge between OBC and platform/payload electronic interfaces
Supported functions	Standard I/O, A0CS, propulsion

[price on request](#) [datasheet](#)

Irish space-electronics company designing and manufacturing ruggedized avionics and telemetry systems for launch vehicles and space missions.



RÉALTRA SPACE SYSTEMS ENGINEERING

RLT-ETH-x

The RLT-ETH-x is a series of high-performance Ethernet switches designed for harsh space environments, simplifying complex distributed systems by managing critical and non-critical

Number of Ethernet ports	Up to 4, 12, and 20
Delivery jitter	Below 1 microsecond

[price on request](#) [datasheet](#)

S4 - Smart Small Satellite Systems GmbH

German manufacturer (Wuerzburg) of pico/nanosatellite subsystems and tailored small satellite systems, with flight heritage tracing back to the first German pico-satellite UWE-1.



S4 - SMART SMALL SATELLITE SYSTEMS GMBH

Robust On-Board Data Handling Unit

A radiation-tolerant On-Board Data Handling (OBDH) unit that uses software-based fault protection and commercial components, offering standard UNISEC bus interfaces for satellite i

Radiation protection approach	Software-based, using advanced FDIR and redundancy
Component type	Commercial (COTS) chips
Flight heritage	More than 5 years without any interruption of service in polar LEO
Bus interface	Standard UNISEC bus electrical interfaces

[price on request](#) [datasheet](#)



S4 - SMART SMALL SATELLITE SYSTEMS GMBH

Robust On-Board Data Handling Unit (OBC)

Ultra-low-power, dual-redundant 16-bit RISC on-board computer for CubeSats with flight heritage since 2013.

Power consumption	< 15 mW
Power supply	3.3 V
Backup power supply	3.3-9 V
Mass	38 g
Dimensions	90 x 90 x 6.9 mm

[price on request](#) [datasheet](#)

Saturn Satellite Networks

Satellite hardware company developing MiniGeoSat and Nationsat platforms, along with software-defined radio and shared-launch programs for affordable

GEO and regional satellite missions.

SATURN SATELLITE NETWORKS

Andromeda: Guidance, Navigation & Control (GNC) Software

Andromeda is a spacecraft Guidance, Navigation & Control (GNC) software developed by Saturn Satellite Networks, compatible with any CPU running a real-time operating system.

Compatible Orbits

GEO, MEO, LEO

CPU Compatibility

Any CPU running a real-time operating system

Included Features

Fully operational Space environmental model

Testing

Extensively tested

Flight Heritage

Scheduled to fly on a LEO mission in 2025

price on request

Saturn Space

UNITED STATES · 2017 · 1 PRODUCT

Saturn Satellite Networks (SSN) Inc. is a US-based space technology company that designs and manufactures reliable, affordable satellites for GEO, MEO, and LEO applications.

SATURN SPACE

Andromeda: Guidance, Navigation & Control (GNC) Software

Andromeda is a spacecraft Guidance, Navigation & Control (GNC) software developed by Saturn Satellite Networks, compatible with any CPU running a real-time operating system.

Compatible Orbits

GEO, MEO, LEO

CPU Compatibility

Any CPU running a real-time operating system

Included Features

Fully operational Space environmental model

Demonstrated Platform

Arduino Nano ESP32 running FreeRTOS

Flight Heritage

Scheduled to fly on a LEO mission in 2025

price on request

Serenum Space

CZECH REPUBLIC · 2020 · 1 PRODUCT

SERENUM Space is a CubeSat component and BUS manufacturer, integrator, and service provider based in Brno, Czech Republic, and a commercially oriented subsidiary of VZLU AEROSPACE.



SERENUM SPACE

ZHP Payload Computer

High-performance, power-efficient Zynq 7015-based payload computer with FPGA, SpaceWire, Ethernet, and PCIe Gen2 for CubeSats.

Processor	Zynq 7015, dual-core Cortex-A9 up to 766 MHz, with FPGA
Form factor	95.0 x 90.0 mm
High-speed interfaces	SpaceWire (up to 200 Mbps), 1 Gbps/100 Mbps Ethernet, PCIe Gen2 x4
PC/104 connector	2x CAN, I2C, power, PPS (configurable in/out)
Peripheral interfaces	USB 2.0 (OTG), 3x RS-422/485, SPI, UART, I2C, JTAG/serial debug

price on request

Sidus Space, Inc.

UNITED STATES · 2012 · 1 PRODUCT

US space and defense technology company (NASDAQ: SIDU) building the LizzieSat multi-mission satellite platform, AI/ML edge-computing avionics, and precision satellite manufacturing services from its Florida Space Coast facilities.



SIDUS SPACE, INC.

Fortis™ VPX

Fortis™ is a mission-ready VPX module designed for command and data handling, AI-driven processing, and advanced navigation, supporting complex mission requirements from developmen

System components	SSBC (Quad-Core ARM, rad-hard PolarFire FPGA, 8GB DDR4), PNT module, SDR (S/X-band), Feath
I/O	LVDS 4x SpaceWire + Camera Link, Ethernet 4x 1GbE + 2x 10GbE, USB 3.1 Gen1, UART 14x RS-42
Power input	28VDC/12A, 330W max
Operating temperature	-55 C to +125 C
Size	3U OpenVPX-S0SA

price on request [datasheet](#)

SkyLabs is a Slovenian space-technology company that designs and manufactures miniaturized, fault-tolerant on-board data handling, communications, power, ADCS/GNC and EGSE equipment for small satellites.



SKYLABS D.O.O.

NANOOhpc-AI

High-performance, power-efficient AI accelerator extension for NANOOhpc-abc using dual Hailo-8 accelerators.

Standard	ISO 19683, IPC Class 3+
TRL	5
MAIT	In-house
AI extension AI Technology	Dual Hailo-8 accelerator
Performance	Up to 52 TOPS

price on request



SKYLABS D.O.O.

NANOOhpc-DPU

High-performance reconfigurable data processing unit extension for NANOOhpc-abc, built around AMD Zynq UltraScale+ MPSoC.

Standard	ISO 19683, IPC Class 3+
TRL	5
MAIT	In-house
DPU extension AI Technology	AMD Zynq UltraScale+ MPSoC ZU7EV
FPGA Fabric	504K system Logic Cells

price on request



SKYLABS D.O.O.

NANOOhpc-abc

64-bit high-performance multicore RISC-V on-board computer for AI@Edge and demanding LEO applications.

Standard	ISO 19683, IPC Class 3+
TRL	9
MAIT	In-house
Main CPU cluster	4x RISC-V 64-bit processors @ max 600 MHz
Supervisor	RISC-V monitoring core @ max 600 MHz

price on request



SKYLABS D.O.O.

NANOOhpm-abc

High-performance MCU-based fault-tolerant on-board computer.

Standard	ISO 19683, IPC Class 3+
TRL	9
MAIT	In-house
Processor	NOEL-V 32-bit core (RV32IMAFD) with FPU
Memory	256 MB DDR3 (EDAC protected)

price on request



SKYLABS D.O.O.

NANOif-2

Intelligent remote terminal unit with unified TM/TC interface for satellite sensors, instruments and payloads.

Standard	ISO 19683, IPC Class 3+
TRL	9
MAIT	In-house
User interfaces	2x CAN (with CSP bridge), 5x RS422, 24x ADC, 28x GPIO (8 with remapping to SPI, I2C, UART)
Interfaces	Redundant CAN for TM/TC

price on request



SKYLABS D.O.O.

NANOobc-2

Fault-tolerant second-generation on-board computer for mission-critical satellite operation.

Standard	ISO 19683, IPC Class 3+
TRL	9
MAIT	In-house
Processor	PicoSkyFT 8/16-bit core with single precision FPU
Code Memory	4 MB MRAM (EDAC protected)

price on request



SKYLABS D.O.O.

picoRTU system

Highly modular remote terminal unit system for LEO small and micro satellite missions.

Standard	ISO 19683, IPC Class 3+
TRL	7
MAIT	In-house
Bus interface	Redundant CAN (ISO 11898-2), CANopen per ECSS-E-ST-50-15C
Discrete user interfaces	Compliant with ECSS-E-ST-50-14C specifications

price on request

JAXA-affiliated Japanese venture (Sapporo, founded 2018) designing FPGA-based onboard computers for CubeSats and small satellites, with flight heritage on ISS Kibo and lunar landers.



SPACE CUBICS INC.
SC-OBC Module A1

CubeSat on-board computer on a Xilinx Artix-7 FPGA with Zephyr RTOS, 70 x 70 x 9.6 mm, 30 g, 2.0 W max, built on JAXA-derived technology.

Main processor	Xilinx Artix-7 FPGA
Main CPU	Cortex-M3 / MicroBlaze-V
Preinstalled OS	Zephyr RTOS
Communication interface	CAN, I2C, UART
FPGA user I/O	38 pin

price on request



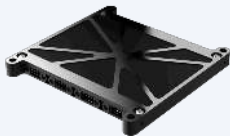
SPACE CUBICS INC.
SC-OBC Module V1

High-end space-grade on-board computer on the AMD Versal AI Edge VE2302 adaptive SoC, with rad-tolerant 4 GB DDR4 ECC, 64 GB eMMC, 100 x 150 mm, 110 g.

Main processor	AMD Versal AI Edge Series VE2302
Application processor	Dual core Arm Cortex-A72 up to 1.3 GHz (48/32 KByte L1 with parity and ECC, 1 MByte L2 wit
Real-time processor	Dual core Arm Cortex-R5F up to 600 MHz (32/32 KByte L1, 256 KByte TCM with ECC)
AI engine	AI Engine-ML tiles 34; AIE/AIE-ML data memory 17 Mbit; AIE-ML shared memory 68 Mbit
Programmable logic	System logic 328,720; LUTs 150,272; DSP engines 464; block RAM 5.4 Mbit; UltraRAM 43.6 Mbi

price on request

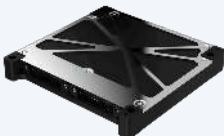
Space Inventor ApS is a Danish second-generation NewSpace company providing non-ITAR CubeSat, nanosat, and microsat components, platforms, and turnkey satellite missions with full vertical integration, headquartered in Aalborg with offices



SPACE INVENTOR APS
OBC

Quad-core ARM Cortex-M7 onboard computing platform for redundant mission-critical satellite functions.

MSRP	€9,000
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SPACE INVENTOR APS
Z7000-P4

Versatile payload and onboard computing platform based on a dual-core ARM Cortex-A9 SoC with integrated FPGA logic.

MSRP	€18,000
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Architecture	Four independent ARM Cortex-M7 modules
Operating system	FreeRTOS
Redundancy	Hot/cold redundancy across four independent modules
\$9 000	

Processor	Dual-core ARM Cortex-A9 MP-Core with NEON SIMD
FPGA logic	125K programmable cells
Interfaces	LVDS/SpaceWire, up to 1 Gb Ethernet, CAN, RS-422, I2C
Data storage	Up to 64 GB eMMC
\$18 000	

Space Micro

UNITED STATES · 2002 · 10 PRODUCTS

US manufacturer of rad-tolerant space electronics (TT&C, C&DH, laser communication terminals, RF transmitters/transponders, star trackers, sun sensors, and single-board computers) for satellite and spacecraft applications.



SPACE MICRO CSP CubeSat Space Processor

Compact 1U CubeSat-form-factor single board computer built around a Xilinx Zynq-7020 SoC, with radiation-hardened design for hybrid computing applications.

price on request [datasheet](#)



SPACE MICRO IPC-7000 Image Processing Computer

Compact 3-board radiation-mitigated image processing computer based on reconfigurable Virtex 7 FPGAs, for high-speed on-orbit image processing and storage.

price on request



SPACE MICRO IPC-8000 VPX Image Processing Computer

Reconfigurable image processing computer in a 3U or 6U Space VPX form factor, supporting high-speed multi-stream image processing and large-capacity solid state recording.

price on request



SPACE MICRO Proton100k Single Board Computer

The Space Micro Proton100k is a radiation-hardened single board computer from the Proton SBC family, designed for high-reliability, mission-critical space and defense computing. Pa

Type	Radiation-hardened single board computer
Product family	Proton SBC series (Space Micro)
Radiation hardening	Latch-up immune, H-Core™ SEU/SEFI mitigation
Memory	ECC-protected
OS support	Linux and real-time OS options

price on request



SPACE MICRO

PROTON200K DSP-Based Single Board Computer (SBC)

Radiation-hardened DSP-based processor delivering up to 4000 MIPS for command and data handling, payload, and satellite control applications.

price on request



SPACE MICRO

Proton200k-Flt Single Board Computer

DSP-based radiation-tolerant single board computer, flight configuration.

price on request



SPACE MICRO

Proton200k-Fx Single Board Computer

DSP-based radiation-tolerant single board computer, Fx configuration.

price on request

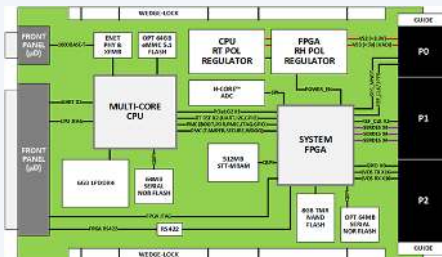


SPACE MICRO

PROTON400K Single Board Computer (SBC)

High-performance, low power, radiation-hardened multi-core payload processing SBC based on a 45nm dual-core NXP PowerPC.

price on request



SPACE MICRO

PROTON600K Multi-Core Computer

Advanced radiation-hardened 3U SpaceVPX single board computer built around an 8-core FD-SOI ARM Cortex processor with patented SEU/SEFI mitigation.

price on request



SPACE MICRO

PROTONVPX-BOX Modular Platform

Modular digital avionics platform with a baseline 5-slot 3U SpaceVPX mesh backplane, configurable to meet a range of mission objectives.

price on request

SPiN (Space Products and Innovation) develops MA61C, a plug-and-play intelligent Command and Data Handling (C&DH) node that lets satellite manufacturers integrate subsystems from different suppliers without custom engineering, cutting design



SPACE PRODUCTS AND INNOVATION (SPIN)
MA61C cPCI

Plug-and-play Command and Data Handling system integrating multiple subsystems with a cPCI Serial Space processing unit; candidate backplane for ESA/EC Copernicus missions.

Interfaces supported	SpaceWire, I2C, CAN, RS422, RS232, MIL-STD-1553B, GPIO
Form factor	cPCI Serial Space
Processor	GR712RC dual-core 32-bit LEON3-FT SPARC V8
Memory	64 Mbit SRAM, 64 Mbit FLASH
Host interface	USB (API + Windows GUI included)

price on request [datasheet](#)



SPACE PRODUCTS AND INNOVATION (SPIN)
MA61C CubeSat

Plug-and-play Command and Data Handling (C&DH) unit for CubeSats, based on the PC/104 standard, with flight heritage (TRL 9).

Interfaces supported	SpaceWire, I2C, SPI, CAN, RS422, RS485, RS232, GPIO
Mechanical standard	PC/104
Processor	GR712RC dual-core 32-bit LEON3-FT SPARC V8
Memory	64 Mbit SRAM, 64 Mbit FLASH
Host interface	USB (API + Windows GUI included)

price on request [datasheet](#)



SPACE PRODUCTS AND INNOVATION (SPIN)
MA61C SmallSat

Plug-and-play Command and Data Handling (C&DH) unit for small satellites, adding MIL-STD-1553 support for higher-complexity missions.

Interfaces supported	SpaceWire, MIL-STD-1553, I2C, SPI, CAN, RS422, RS485, GPIO
Processor	GR712RC dual-core 32-bit LEON3-FT SPARC V8
Memory	64 Mbit SRAM, 64 Mbit FLASH
Host interface	USB (API + Windows GUI included)

price on request [datasheet](#)

Slovak-Czech full-service nanosatellite mission provider offering CubeSat platforms (1U-16U), onboard subsystems, rideshare launch integration, and

ground segment services.

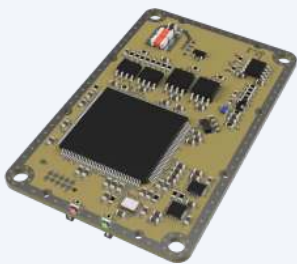


SPACEMANIC S.R.O.
CELESTE GNSS Receiver

CELESTE is a compact, multi-constellation GNSS receiver designed for small satellite applications, offering high accuracy and various interface options.

Operating temperature	-40°C to +85°C
Dimensions	67 x 42 x 7.5 mm
Mass	25 g
Power supply	3.3 V
Power supply (for CAN)	5 V

[price on request](#) [datasheet](#)



SPACEMANIC S.R.O.
Deep Thought

Deep Thought is a compact, flight-proven on-board computer designed for small satellites, offering robust processing capabilities, extensive interfaces, and integrated sensors.

Operating temperature	-40°C to +85°C
Dimensions	67 x 42 x 7.5 mm
Mass	25 g
Power supply	3.3 V
Power consumption	330 mW (average)

[price on request](#) [datasheet](#)



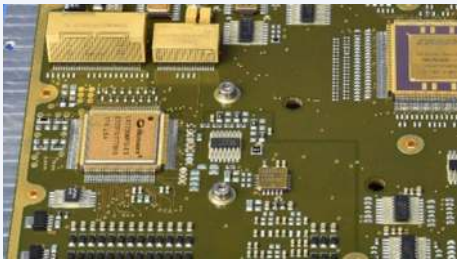
SPACEMANIC S.R.O.
EDDIE

EDDIE is a compact, low-power on-board computer module designed for space applications, featuring an MSP430 microcontroller, FreeRTOS, and a variety of interfaces.

Operating temperature	-40°C to +85°C
Dimensions	67 x 42 x 7.5 mm
Mass	25 g
Power supply	3.3 V
Power supply	5 V (for CAN)

[price on request](#) [datasheet](#)

German space company designing, developing and producing solar arrays, laser-optical instruments and space electronics for satellite missions.



SPACETECH GMBH
SpaceTech Remote Terminal Unit (RTU)

cPCI-Serial-Space based Remote Terminal Unit collecting data from avionic sensors and controlling avionic actuators.

Processor	Dual Core LEON3 processor, also usable for data pre- processing
Onboard connection	CAN-Bus or SpaceWire
IO architecture	Standardized IO-module based on cPCI-Serial-Space standard
PT1000 interface	28 channels
Analogue voltage input	8 channels

price on request

Spiral Blue

Australian space technology company building LiDAR and AI edge computing systems for LEO satellites.



SPIRAL BLUE
SE-1 Space Edge Computer

Most powerful commercially available satellite edge computer (outside a space station) — NVIDIA Jetson Xavier NX, reduces raw data downlink by up to 99.7%. 10 units in orbit since

Processing module	NVIDIA Jetson Xavier NX
Orbit	LEO
First operational date	April 2023
Units in orbit	10
Data reduction demonstrated	99.7% (1,004 MB to 3.063 MB)

price on request

SPUTNIX is a Russian manufacturer of nanosatellite and microsatellite platforms, onboard subsystems and ground infrastructure, operating as a subsidiary brand of Sitronics Group.



SPUTNIX

CubeSat OBC / ADCS Motherboard SXC-MB-04-ADC

Raspberry Pi CM3+ carrier board with integrated ADCS controller, magnetometer, gyroscope, EM coil driver, temperature sensor, RTC, and 3-channel power switch. CAN bus throughout.

Form factor	PC/104
Computer	Raspberry Pi CM3/CM3+
ADCS	Integrated standalone controller
Interfaces	CAN, SPI, I2C, UART, USB 2.0, Ethernet
Connectivity	WiFi hotspot/client module

price on request



SPUTNIX

On-board computer

A radiation-tolerant, dual-redundant onboard computer (SX-SBOX-OBC-01) built on a SPARC v8 Leon4FT processor with CAN, SpaceWire and optional MIL-STD-1553-like interfaces.

Dimensions, mm	171 x 111 x 51 (without fasteners)
Mass, kg	0.86
Power voltage, V	22-34, galvanic isolation 500V
Power consumption, Wt	up to 10
Duplicated interfaces	CAN2B, SpaceWire, MK0/MIL-STD-1553-like bus (optional)

price on request

datasheet



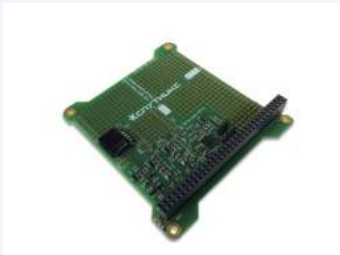
SPUTNIX

On-board computer (with a set of sensors and ADC controller)

A Raspberry Pi Compute Module carrier board (SXC-MB-04-ADC) integrating an ADCS controller, gyroscope/magnetometer sensors, coil driver and power switching for CubeSats.

Model	SPUTNIX SXC-MB-04-ADC
Feature	Flexible architecture, all devices on CAN bus interconnect
Feature	Raspberry Compute Module CM3/CM3+
Feature	Sensors on CAN bus (magnetometer, attitude rate sensor, temperature, voltages, currents)
Feature	EM torquer driver

price on request



SPUTNIX

Payload baseboard for platforms SXC1/3

A PC/104-compatible breadboard carrier for developing payloads and other systems that need access to the satellite's CAN bus.

Model	SPUTNIX SXC-MBB-03
Feature	approved MCU with CAN bus design
Feature	user area with 2.54mm pitch
Feature	controllable power system for user area
Feature	board schematic provided

price on request



SPUTNIX

SpaceWire-router and on-board storage device of the on-board computer complex

A redundant 16-port SpaceWire routing switch with built-in MRAM storage for on-board data networking of the onboard computer complex.

Dimensions, mm	117 x 111 x 51 (without fasteners)
Mass, kg	0.96
Power voltage, V	22-34, galvanic isolation 500V
Power consumption, Wt	4
Built-in memory, MB	8

[price on request](#)



SPUTNIX

SX-SBOX Onboard Computing (Microsatellite)

Onboard computing line of the SX-SBOX instrument suite for microsatellite (Pallada-class) platforms: the onboard computer, a SpaceWire router with onboard mass memory, and flight s

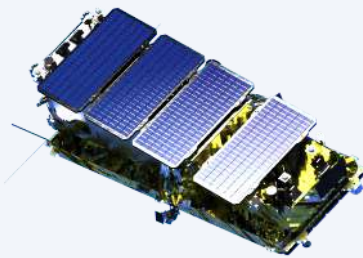
Family	Onboard computing (SX-SBOX line)
Onboard computer SX-SBOX-OBC-01	171 x 111 x 51 mm, 0.86 kg, ≤10 W; CAN2B, SpaceWire, MIL-STD-1553 (opt)
SpaceWire router + memory SX-SBOX-SPW-OBDR-MEM-01	8 MB, up to 16 ports, SpaceWire up to 200 Mbit/s, RMAP (ECSS-E-ST-50-52C)
Flight software	SX-SBOX-KINOSOFT
Supply voltage	22-34 V (500 V galvanic isolation)

[price on request](#)

SSTL (Surrey Satellite Technology)

UNITED KINGDOM · 1985 · 1 PRODUCT

SSTL designs, builds, tests, and operates small satellites, pioneering the use of COTS components and having launched approximately 70 satellites for 22 countries.



SSTL (SURREY SATELLITE TECHNOLOGY)

SSTL Core

The SSTL Core is a centralized and compact avionics solution that integrates SSTL's flight-proven avionics into a single module.

[price on request](#) [datasheet](#)

Singapore-based satellite manufacturer providing end-to-end satellite design, manufacturing, testing, launch and ground segment services, plus flight-proven space avionics.



ST ENGINEERING SATELLITE SYSTEMS

ST Engineering Spacecraft On-Board Computer (OBC)

Radiation-tolerant dual-core LEON3-FT on-board computer for reliable LEO satellite data handling and platform control.

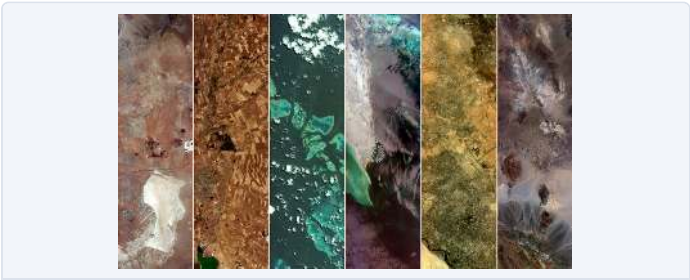
Processor	Dual-Core LEON3-FT Sparc V8
System Clock	40 MHz (up to 80 MHz)
FPU	IEEE-754 compliant, double precision
Boot Memory	2 MB
Non-Volatile Memory	8 MB MRAM

[price on request](#)[datasheet](#)

TelePIX

SOUTH KOREA · 2019 · 1 PRODUCT

End-to-end satellite solutions from payload development to AI-powered analytics — hyperspectral/EO payloads, onboard edge-AI processors, and satellite imagery analytics software.



TELEPIX

TetraPLEX

TetraPLEX is a high-performance AI on-board processor designed for edge computing in space, enabling in-space AI processing and edge computing.

space heritage	2024
PROCESSOR	RISC-V FPGA SoC+ 4-core
GPU	1024-core embedded GPU
Dimension	100mm x 100mm x 90mm
MASS	500g

[price on request](#)

Terma

DENMARK · 1949 · 1 PRODUCT

Terma is a global aerospace, defense, and security company that develops and manufactures radar systems, aircraft self-protection systems, and space components like star trackers for international cus



TERMA

On-Board Computer (OBC)

Radiation-tolerant on-board computer for ESA and commercial satellites — LEON2/3/4 processor, MIL-STD-1553 and SpaceWire interfaces, proven heritage on multiple ESA science and EO

Processor	LEON2/3/4 (SPARC V8/V9 ISA)
Data Buses	SpaceWire, MIL-STD-1553, UART, SPI, I²C
Memory	Rad-tolerant SRAM + EEPROM/FLASH NVM
Qualification	ESA ECSS, full documentation
Radiation	TID and SEU mitigation

price on request

Tethers Unlimited, Inc. (AMERGINT)

UNITED STATES · 1994 · 1 PRODUCT

US developer of deployable space structures, the SWIFT software-defined radio, HYDROS water-electrolysis thrusters and in-space manufacturing tech; now part of ARKA Group (formerly AMERGINT).



TETHERS UNLIMITED, INC. (AMERGINT)

CryptoSWIFT FIPS140-2

CryptoSWIFT FIPS140-2 is a hardware encryption solution for LEO small satellite missions, offering high-performance AES-256 encryption up to 55 Mbps.

Built for	LEO small satellite missions
TRL	9 Hardware
Encryption	High performance AES-256 encryption
Speeds	up to 55 Mbps
Certification	NIST FIPS140-2 Level 1 Certification in Process

price on request

[datasheet](#)

US aerospace electronics firm (General Atomics subsidiary); solar array simulators, RF devices, EGSE, and payload testing for space programs.



TIGER INNOVATIONS, INC.
Integrated Electronics Module (IEM)

Modular, radiation-hardened spacecraft avionics suite combining C&DH and EPS functions, with flight heritage on STPSat-1.

Power Consumption	24 Watts
Mass	< 5.25 kg
Size	7" x 7.125" x 4.437"
Processor	RAD-750
Analog Signals	56

[price on request](#) [datasheet](#)

Totum Labs

Satellite IoT connectivity company delivering direct-to-satellite, indoor-capable tracking and monitoring using its proprietary DMSS waveform and LEO nanosatellite constellation.



TOTUM LABS
ORC3990 — Space-Grade Processing SoC for Satellite Avionics

The ORC3990 is a radiation-tolerant, space-grade System-on-Chip (SoC) developed by Totum Labs (in partnership with Orca Systems) for use in satellite onboard computers, payload pro

Device type	Radiation-tolerant System-on-Chip (SoC)
Radiation tolerance	SEU mitigation, latch-up protection, EDAC memory
Target orbits	LEO, MEO; radiation-belt tolerant
Integrated functions	Processor core + image processing + RF signal processing + data compression
Avionics interfaces	SpaceWire, CAN bus, UART, SPI, I2C

price on request

Tsd-space

ITALY · 1977 · 1 PRODUCT

Italian space imaging and avionics company in Pozzuoli; cameras, focal plane arrays, image compression, OBCs, C&DH systems, power management, and ground segment equipment.



TSD - SPACE
Payload Electronics

TSD offers a range of payload electronics, including image data handling and storage units, high-data-rate image compression modules, data processing units, and control and data ac

PILOT-D CDIU Mission	Luna-25 (Luna-Glob) mission
PILOT-D CDIU Functionality	Image Data Handling and Storage Unit, interface unit, communication I/Fs, video data stora
Multi/Hyperspectral Module Mission	PRISMA Hyperspectral Mission
Multi/Hyperspectral Module Component	PRISMA Payload Main Electronics Unit (SDAC)
Multi/Hyperspectral Module Configuration	Upper board (nominal), lower board (redundant)

price on request

Tyvak International S.r.l.

ITALY · 2013 · 1 PRODUCT

Italian manufacturer of CubeSat and small satellite platforms and subsystems, a Terran Orbital company with deep flight heritage across scientific and commercial missions.



TYVAK INTERNATIONAL S.R.L.
Command and Data Handling (C&DH) System

Onboard flight computer suite with redundant backup and multiple radio/communication interfaces.

price on request

Swedish space computing company offering the iX10/iX5 onboard computers, SCOS OS, and LOOM hyperspectral pipeline for AI-enabled satellite operations.



UNIBAP SPACE SOLUTIONS AB
ADS

Unibap's Application Development hardware kit that lets developers build and verify onboard software on the same hardware architecture used in their space Engineering and Flight Mo

iX10 ADS-X2 CPU	AMD Ryzen V1000
iX10 ADS-X2 GPU	8 x AMD Vega
iX10 ADS-X2 VPU	Intel Movidius Myriad X and Hailo-8
iX10 ADS-X2 RAM	2 x 16 GB DDR4
iX10 ADS-X2 Storage	512 GB SATA SSD

[price on request](#) [datasheet](#)



UNIBAP SPACE SOLUTIONS AB
iX5

The iX5 is a versatile and efficient space-proven processing unit with machine learning capabilities, designed for a wide range of mission profiles and suitable for smaller spacecr

Flight heritage	5 missions launched
Successful days in space	>1 000

[price on request](#) [datasheet](#)



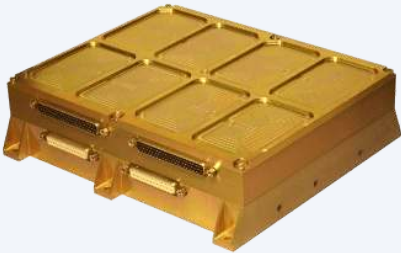
UNIBAP SPACE SOLUTIONS AB
Unibap iX10 Space Computer

Unibap's most powerful onboard space computer, combining CPU, GPU, and VPU processing with extensive I/O connectivity for demanding AI and edge-computing missions.

CPU	AMD Ryzen V1000
GPU	8 x AMD Radeon
VPU (iX10-101)	Intel Movidius Myriad X
VPU (iX10-102)	Hailo-8
RAM	24 GB DDR4 ECC

[price on request](#) [datasheet](#)

German manufacturer of space subsystems — reaction wheels, star trackers, power control, and data handling units — with over 25 years of flight heritage on small satellite missions.



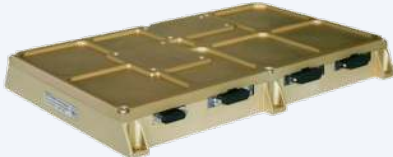
VECTRONIC AEROSPACE GMBH

On-Board Data Handling

VECTRONIC Aerospace On-Board Data Handling systems are designed for small satellite applications, processing telecommands and providing autonomy with event-triggered processes.

Power Consumption	around 1.5 W
Signal Interface	user definable number of standard asynchronous SCI's on RS422/RS485 level
Baud Rate	adjustable up to 1Mbaud
Flight Heritage	7 slightly different On-Board Data Handling systems in Orbit and several others waiting fo

price on request



VECTRONIC AEROSPACE GMBH

Payload Data Handling System VPDHS

The VPDHS is a Payload Data Handling System developed by VECTRONIC Aerospace for small satellite applications, designed to receive, store, compress, and format payload data for tra

Dimensions	290 mm x 192 mm x 34 mm
Mass	2.3 kg
Mounting pattern	6 x M4
Power consumption	Max 15 W
Power Supply	9V – 18V, 18V – 36V

price on request

datasheet

Argentine space engineering company (Buenos Aires, founded 2007) and prime contractor to CONAE for the Tronador II launch vehicle programme, satellite avionics, propulsion, and ground-segment systems.



VENG S.A.

Antartix – Computadora OBC

The Antartix v2.0 OBC is a high-performance, easy-to-integrate on-board computer and FPGA development board built on the AMD Xilinx Artix-7 FPGA, optimized for MicroBlaze and PetaL

FACTOR DE FORMA	PCI/104-Express totalmente compatible
FPGA	AMD Artix-7 XC7A200T-1FBG484IHz
MEMORIA	DDR3L SDRAM 4Gb 933 MHz20 ns MT41J128M16HA-125:K

MEMORIA FLASH	A bordo – NOR Memory IC 128 Mbit SPI – Quad I/O 104 MHz
MEMORIA ADICIONAL	BPI a bordo – NOR Memory IC 512 Mbit Paralela 133 MHz – 96 ns
price on request datasheet	

VVDN Technologies

INDIA · 2007 · 1 PRODUCT

India-based contract engineering and electronics manufacturing company serving aerospace and defence with avionics, tactical communications, UAS and satellite communications subsystems.

VVDN TECHNOLOGIES VVDN Aerospace & Defence Electronics Engineering Full-lifecycle engineering and manufacturing services for mission-critical aerospace and defence electronics, spanning avionics, tactical comms, FPGA, RF, and ruggedized embedded p	
Engineering disciplines	FPGA, RF, embedded SW/HW, silicon, mechanical
Target applications	Tactical comms, avionics, UAS, missile sub-systems, surveillance
Environmental testing	MIL-STD-810 (environmental), MIL-STD-461 (EMI/EMC)
Quality standard	Aerospace Quality Management System
Airborne software standard	DO-178 / airborne software development
price on request	

Xiphos Technologies

CANADA · 2003 · 12 PRODUCTS

Xiphos Technologies designs low-SWaP Zynq and Versal-based computing modules and on-board computers for SmallSats, offering 120+ years of cumulative flight heritage.

	
XIPHOS TECHNOLOGIES Q7 Computer-on-Module Ultra-low SWaP Zynq-based processor card for embedding in custom satellite payloads and bus subsystems.	
Processor	Xilinx Zynq SoC
CPU	Dual-core ARM Cortex-A9 MPCore
Logic	Programmable FPGA fabric
RAM	LPDDR2 with ECC
Flash	2x QSPI Flash (NOR)

	
XIPHOS TECHNOLOGIES Q7 Processor The Q7 is a space-qualified processor board featuring a Xilinx Zynq SoC with dual-core Cortex-A9 MPCore processors and reprogrammable logic, designed for high-performance computing	
Processor	Xilinx Zynq SoC includes ARM dual-core Cortex-A9 MPCore processors supported by massive pr
Memory	LPDDR2 RAM (with ECC)
Memory	2x QSPI Flash (NOR)

[price on request](#) [datasheet](#)



XIPHOS TECHNOLOGIES

Q8 Computer-on-Module

Low SWaP Zynq UltraScale+ MPSoC processor with 30 krad radiation tolerance for demanding satellite payloads and bus subsystems.

MPSoC	Xilinx Zynq UltraScale+
Application CPU	Quad-core ARM Cortex-A53
Real-Time CPU	Dual-core ARM Cortex-R5
GPU	ARM Mali-400
RAM	4 GB LPDDR4 (ECC)

[price on request](#) [datasheet](#)

Memory 2x MicroSD

Power Typical 2W

[price on request](#) [datasheet](#)



XIPHOS TECHNOLOGIES

Q8 Low SWaP Computer-on-Module

The Q8 is a spaceflight-ready miniature processing board, building on the Xiphos Q-card family's heritage, offering high performance and flexibility for demanding space application

Processor	Xilinx Zynq UltraScale+ Multi-Processor System-on-Chip (MPSoC) Processing FPGA
CPU	quad-core ARM Cortex-A53 Application Processing Unit
Real-Time Processing Unit	dual-core ARM Cortex-R5
GPU	ARM Mali-400
RAM	4 GB LPDDR4 (with ECC)

[price on request](#) [datasheet](#)



XIPHOS TECHNOLOGIES

Q8 On-Board Computer

Flight-proven SmallSat on-board computer based on the Q8 processor, providing full spacecraft control with 120+ years of flight heritage.

Processor	Xilinx Zynq SoC (ARM dual-core Cortex-A9 MPCore)
Control FPGA	Microchip ProASIC3
RAM	256 MB LPDDR2 (ECC)
Storage	2x MicroSD
Serial Interfaces	RS-422, RS-485, RS-232, CAN, LVDS-based protocols

[price on request](#) [datasheet](#)



XIPHOS TECHNOLOGIES

Q8J Computer-on-Module

Low SWaP Zynq UltraScale+ processor with GTH multi-Gbps transceivers and JESD204B support for next-generation SDR and high-speed payload applications.

MPSoC	Xilinx Zynq UltraScale+
Application CPU	Quad-core ARM Cortex-A53
Real-Time CPU	Dual-core ARM Cortex-R5
RAM	4 GB LPDDR4 (ECC)
Flash	2x 256 MB QSPI (NOR)

[price on request](#) [datasheet](#)



XIPHOS TECHNOLOGIES

Q8J Data Storage and Interface Board

High-capacity payload data storage and interface computer for the Q8J, providing 2 TB SSD storage and extensive high-speed I/O.

Storage	2x 1 TB SSD
Sustained Write Speed	>300 MB/s
Ethernet	4x GigE (1 Gbps) with magnetics
CAN	2x CAN controllers
RS-422	7x RS-422 ports

[price on request](#) [datasheet](#)



XIPHOS TECHNOLOGIES

Q8J Low SWaP with GTH Computer-on-Module

The Q8J is a low SWaP processor board designed for space applications, featuring a Xilinx Zynq UltraScale+ MPSoC and multi-Gigabit transceivers for high-speed interfaces.

Processor	Xilinx Zynq UltraScale+ Multi-Processor System-on-Chip (MPSoC) Processing FPGA
Application Processing Unit	quad-core ARM Cortex-A53
Real-Time Processing Unit	dual-core ARM Cortex-R5
GPU	ARM Mali-400
RAM	4 GB LPDDR4 (with ECC)

[price on request](#) [datasheet](#)



XIPHOS TECHNOLOGIES

Q8RFG3 Gen 3 RFSoc Processor

Third-generation space-grade RFSoc processor with 8-channel 14-bit ADC/DAC up to 6 GHz RF input and multi-device synchronization for phased-array applications.

MPSoC	Xilinx Zynq UltraScale+ ZU48DR
Application CPU	Quad-core ARM Cortex-A53 @ up to 1.2 GHz
Real-Time CPU	Dual-core ARM Cortex-R5 @ 500 MHz
PS RAM	4 GB LPDDR4 DRAM (EDAC)
PL RAM	4 GB DDR4 DRAM

[price on request](#) [datasheet](#)



XIPHOS TECHNOLOGIES

Q9 Versal Computer-on-Module

High-performance AMD Versal AI-edge compute module with 152 AI Engine tiles, 2 TB NVMe storage, and 30-50 W power budget for satellite AI/ML payloads.

MPSoC	AMD Versal SoC
Application CPU	Dual-core ARM Cortex-A72 @ 1.7 GHz
Real-Time CPU	Dual-core ARM Cortex-R5F @ 750 MHz
AI Engines	152 AI Engine-ML tiles
System Logic Cells	820,000

[price on request](#) [datasheet](#)



XIPHOS TECHNOLOGIES

Xiphos Q8RF Family

Zynq UltraScale+ RFSoc-based space processor family (Q8RF Gen 1 and Q8RFG3 Gen 3) combining direct RF sampling, FPGA logic, and ARM processing for onboard SDR.

Operating temperature	-40 to +60 °C
Size	100 mm x 100 mm x 20 mm
Mass	200 g
Power (Q8RF)	20-30 W typical @ 5-9 V
Power (Q8RFG3)	25-35 W typical @ 5-15 V

[price on request](#) [datasheet](#)



XIPHOS TECHNOLOGIES

Xiphos Q9 Versal Computer-on-Module

High-performance AI/ML-capable Versal-based COTS computer-on-module in a tiny form factor, built for intensive onboard processing.

Operating temperature	-40 to +60 °C
Size	90 mm x 110 mm x 20 mm
Mass	56 g without connectors
Power	30-50 W typical; 8 to 14 VDC; over-current detection & protection (global and local) and b
Memory	16 GB LPDDR4 DRAM (2x8GB); 1GB (4x 256 MB) QSPI Flash (NOR); 2x NVMe SSD, 1,000 GB each, o

[price on request](#) [datasheet](#)

Zaitra

CZECH REPUBLIC · 2020 · 1 PRODUCT

Czech space-tech company building on-board data processing hardware and AI software that make Earth observation satellites more autonomous.



ZAITRA

SKAIDOCK

SKAIDOCK delivers high-performance data processing and handling for small satellite missions. Designed for CubeSats, it offers seamless integration and plug-and-play compatibility

Processor	AMD UltraScale+ XCZU7EG with ProASIC3 supervisor (Xiphos Q8J)
RAM	4 GB LPDDR4 ECC
Flash (QSPI)	2 × 256 MB QSPI
Storage (eMMC)	2 × 128 GB eMMC
Operating temperature	-40 °C to +60 °C

[price on request](#)

Zhongke Tiansuan (Comospace)

CHINA · 2024 · 2 PRODUCTS



ZHONGKE TIANSUAN (COMOSPACE)
Aurora 1000 Satellite-Borne Intelligent Computer

First-generation satellite-borne AI computer carrying a domestic high-performance AI chip, in orbit since 2022.

On-orbit operation	1,000+ cumulative days (multiple satellites)
Launch year	2022
Reported AI compute	~32 TOPS (INT8, per industry reporting)

price on request

ZHONGKE TIANSUAN (COMOSPACE)
Comospace Satellite Edge Computing Platform

Chinese satellite computing constellation providing in-orbit edge computing and AI processing services for real-time Earth observation data analysis.

Technology	In-orbit edge computing and AI processing
Advantage	Reduced latency vs. ground processing
Applications	Disaster response, real-time Earth observation

price on request

ZIN Technologies

UNITED STATES · 4 PRODUCTS

ZIN Technologies is a Cleveland, Ohio aerospace engineering firm with 65+ years of heritage delivering flight-proven spacecraft power, computing, and systems integration hardware for NASA and DoD.



ZIN TECHNOLOGIES
Proton2X-Box

Proton2X-Box is a modular, flight-proven digital avionics platform built around a dual-core PowerPC processor with FPGA-configurable I/O for spacecraft data handling and control.

Processor	Dual-core PowerPC
I/O	FPGA-configurable digital I/O, analog and digital sensor/instrument channels
Storage	Solid-state storage with error correction
Flight heritage	Flight-proven, space-ready, proven program heritage

price on request [datasheet](#)



ZIN TECHNOLOGIES
Proton600K Multi-Core Processor

Radiation-hardened 3U OpenVPX single-board computer with an 8-core ARM architecture for mission-critical edge computing.

Form factor	3U OpenVPX Single Board Computer
Radiation tolerance	Radiation-hardened, immune to destructive latch-up, patented H-Core mitigation for SEU/SEF
Cores	8-core ARM: dual Cortex-A72 + quad Cortex-A53 + dual Cortex-M4F real-time cores
Controllers	Dedicated system controller and security processor
Memory	ECC-protected memory, on-chip ECC and external LPDDR4 support

price on request [datasheet](#)



ZIN TECHNOLOGIES

ProtonVPX-Box

A modular 3U VPX digital avionics compute platform built around the Proton600K multi-core space processor, configurable to meet varied mission objectives.

Backplane	High-speed 3U VPX mesh backplane, no separate SRI0 switches/SpW routers required
Chassis	Rugged thick-wall aluminum chassis
Baseline configuration	5-slot: Proton600K Multi-Core Computer, SSR, Digital I/O, Analog I/O, Power Supply
Core processor	Proton600K multi-core high-performance space processor

[price on request](#) [datasheet](#)



ZIN TECHNOLOGIES

SBCFA1000 Single-Board Computer

Flight-proven radiation-tolerant single-board computer for satellite command, data handling, and payload management.

Type	Radiation-tolerant single-board computer (OBC)
Application	Command and data handling, payload management
Heritage	NASA ISS research activities (400+ experiments)

[price on request](#)

Manufacturers in this sector

2NDSpace Srl

Italy · 2023 · 4 products

New Space company designing modular nanosatellite/CubeSat hardware: structures, solar panels, EPS, antennas, OBCs, and deployers/separation systems.

3D Plus (HEICO)

France · 1995 · 2 products

World-leading manufacturer of space electronic components using proprietary 3D interconnect technology for extreme miniaturization.

AAC Clyde Space

Sweden · 1999 · 7 products

AAC Clyde Space provides small satellite technologies and space-based data services, offering end-to-end solutions from satellite components to data analytics for various applications.

AAC SpaceQuest (AAC Clyde Space subsidiary)

United States · 1 product

AAC Clyde Space provides small satellite technologies and space-based data services, offering end-to-end solutions from components to data analytics.

ACT (Advanced Cooling Technologies)

United States · 2003 · 1 product

Premier thermal management solutions company specializing in custom two-phase heat transfer technology for aerospace, defense, and industrial applications.

Aethero

United States · 5 products

Aethero designs and manufactures high-performance, space-rated computers and offers compute-as-a-service for various space platforms, from CubeSats to Space Stations.

Airbus Defence and Space

France · 2014 · 2 products

Airbus Defence and Space designs and manufactures satellites, spacecraft equipment, and provides related services for telecommunications, navigation, Earth observation, and space exploration

Aitech Systems

United States · 16 products

Designer and manufacturer of rugged, high-performance embedded computing solutions for aerospace, defense, and space applications.

Akula Tech

Australia · 2022 · 1 product

Melbourne-based deep-tech startup building AI-powered smart satellites with onboard hyperspectral data processing and in-orbit AI model execution.

Alba Orbital

United Kingdom · 2012 · 1 product

Alba Orbital manufactures PocketQube satellites, provides launch and ground station services, and operates a fleet of nighttime imaging satellites for government and commercial clients.

ALTER Technology

Spain · 1986 · 1 product

ALTER Technology provides laboratory and engineering services for high-reliability EEE components, specializing in microelectronics and optoelectronics engineering, procurement, assembly, an

Alén Space

Spain · 2008 · 1 product

Alén Space designs, manufactures, and operates small satellites, providing end-to-end mission development services and advanced communication platforms, subsystems, and components for space

Aphelion Orbitals

United States · 2017 · 1 product

Aphelion Orbitals is a New Jersey-based launch vehicle company developing the Helios nanosatellite launch system for regular, scheduled orbital access at low cost.

Aptos Orbital

United States · 2024 · 1 product

Space-hardened compute and communications terminal connecting satellites directly to the cloud (AWS, Azure) with 99% global coverage.

Argotec Srl

Italy · 2008 · 1 product

Argotec is an Italian spacecraft manufacturer that designed and operates the ArgoMoon CubeSat and develops satellite platforms and subsystems for ESA and commercial missions.

Arquimea

Spain · 2007 · 1 product

Spanish space technology company founded 2007 in Leganes, developing MEMS relay switches, SiC power devices, and miniaturized power conditioning units for satellite applications.

Arralis

Ireland · 2 products

Irish developer of mmWave and RF/microwave MMICs, modules, phased-array antennas, and radar/comms front-end systems for satellite, aerospace and defense markets.

BAE Systems

United Kingdom · 1999 · 1 product

UK defense and aerospace prime with a dedicated space division; develops Azalea radar satellites and offers Space-as-a-Service payload hosting.

Beijing Huali Chuangtong Technology Co., Ltd.

China · 1999 · 6 products

Huali Chuangtong (华力创通, Hwacreate) is a Chinese satellite navigation and IoT technology company listed on the Shenzhen Stock Exchange, headquartered in Beijing, developing GNSS (GPS/BeiDou)

Berlin Space Technologies

Germany · 2010 · 1 product

Berlin Space Technologies (BST) designs and mass manufactures small satellite systems and technologies, providing end-to-end solutions for space missions.

CAVU Aerospace

United Kingdom · 2016 · 10 products

CAVU Aerospace designs and manufactures spacecraft avionics, including radiation-tolerant onboard computers, thermal control units, frame grabbers, and flight-proven satellite cameras for va

CesiumAstro

United States · 1 product

US manufacturer of software-defined, phased-array communication systems and payloads for satellite constellations, defense, and space applications.

CONTEC

South Korea · 1 product

CONTEC provides an all-in-one solution for satellite data reception, processing, and analysis, supporting space missions through its global ground station network.

Cosmoleap

China · 1999 · 1 product

Dahang Transition develops and operates medium and large reusable launch vehicles and their on-board computers, supporting satellite Internet engineering.

CubeSat Aerospace

India · 1 product

Indian CubeSat developer offering flight-ready 1U–6U satellite structures, subsystem components, environmental testing services, launch integration, and STEM education programs from Ahmedaba

Curtiss-Wright Defense Solutions

United States · 1929 · 2 products

American aerospace and defense electronics company providing rugged computing and data acquisition systems for space and defense platforms.

Data Patterns (India) Ltd.

India · 1998 · 5 products

Vertically integrated Indian defence and aerospace electronics company designing and manufacturing avionics, microelectronics, RF/microwave, radar, test equipment and space systems.

Deimos Space (Indra)

Spain · 2001 · 1 product

Spanish space engineering group (founded as Deimos Space, part of Elecnor 2001-2024) now operating as Indra Space, delivering end-to-end satellite platforms, avionics, ground segment, GNSS a

Edge Aerospace

Luxembourg · 1 product

Developer of high-performance orbital Data Processing Units (DPUs) for autonomous space operations.

EDGX

Belgium · 2023 · 2 products

Belgian NewSpace company developing in-orbit edge AI computing solutions; makes the EDGX Sterna Computer — Europe's first NVIDIA-based onboard payload data processing unit for satellites.

Eidel

Norway · 1966 · 1 product

Norwegian space and defence electronics company specializing in telemetry, secure communications, and mission-critical instrumentation since 1966.

ElmSpace

Germany · 1 product

Developer of fluid-dynamic attitude control systems, gyroscopes, and air bearings for the space industry.

Emtech Space

Greece · 1 product

Greek space engineering company delivering advanced modeling, simulation, independent software verification, magnetic cleanliness testing, and IOD/IOV mission support. Holder of a €4M ESA He

Emxys

Spain · 2007 · 1 product

Emxys is a Spanish space electronics company specialising in advanced onboard computers, power systems, optical transceivers, and complete nanosatellite platforms for data-intensive space mi

EnduroSat

Bulgaria · 2015 · 1 product

Software-flexible CubeSat platforms (1U–16U+), shared-satellite hosted-payload service.

EREMS

France · 1979 · 2 products

EREMS is a French SME founded in 1979, specializing in the design and realization of electronic equipment and software for high technology fields including Space.

EXA (Astro-und Feinwerktechnik)

Germany · 1993 · 1 product

German manufacturer of reaction wheels, CubeSat picosatellite deployers, and AOCS components for small satellites, based in Berlin-Adlershof.

Exolaunch

Germany · 2008 · 1 product

Berlin-based launch and deployment services company providing end-to-end rideshare missions, satellite integration, and proprietary separation hardware for small satellites.

Gaisler

Sweden · 2001 · 1 product

Radiation-hardened microprocessors, IP cores, and software for space and high-reliability embedded systems.

GAUSS Srl

Italy · 2012 · 1 product

Italian company specializing in complete lifecycle management of CubeSats and NanoSatellites: design, manufacturing, subsystems, ground stations and deployers.

Glavkosmos

Russia · 1985 · 12 products

Glavkosmos coordinates international human spaceflight projects, facilitates satellite launches, develops and supplies rocket components, and provides equipment for space crews.

GomSpace

Denmark · 2007 · 2 products

GomSpace is a Danish CubeSat manufacturer producing satellite platforms, subsystems, and end-to-end mission solutions. Products include the NanoCom radio modules, NanoPower EPS, and complete

Hongqing Technology (鸿擎科技)

China · 2021 · 1 product

Beijing satellite constellation company partnered with Blue Arrow Aerospace; develops communications, remote sensing, and science satellites plus in-house Jinwu propulsion, Chiyu power, and

Innoflight

United States · 2004 · 7 products

Innoflight, Inc. is a US-based aerospace electronics company headquartered in San Diego, California, developing advanced software-defined radios (SDR), cryptographic communication systems, a

Institute of Aeronautical Engineering

India · 1 product

The Institute of Aeronautical Engineering (IARE) in Hyderabad is a specialized engineering institution with a core focus on aeronautical and aerospace engineering. IARE offers cutting-edge p

JAVAD GNSS

United States · 2007 · 1 product

American GNSS technology company manufacturing high-precision positioning receivers for surveying, geodesy, and machine control applications.

Kayser Space

Italy · 1986 · 2 products

Kayser Space designs, manufactures, integrates, and tests hardware and platforms for space programs, supporting over 100 missions and microgravity research.

KP Labs

Poland · 2016 · 1 product

Polish space AI company developing advanced on-board data processing solutions for satellites, enabling real-time AI-powered Earth observation and mission autonomy in orbit.

LiquidCool Solutions

United States · 2006 · 1 product

Total liquid immersion cooling technology for servers and electronics, using patented Directed-Flow cooling in standard 19-inch racks for data center, edge, and rugged industrial application

MinoSpace

China · 2017 · 1 product

Chinese commercial satellite manufacturer building Earth observation, communications, and remote sensing satellites, plus payloads, components, and ground terminal systems.

Motiv Space Systems

United States · 2014 · 1 product

Motiv Space Systems designs and builds space robotics, motor controllers, and mechanisms, including the robotic arm on NASA's Mars 2020 Perseverance rover.

Muon Space

United States · 2021 · 1 product

Muon Space is the Mission Foundry, designing, building, and operating high-performance satellite constellations for defense, civil, and commercial customers.

N7 Space

1 product

N7 Space provides embedded software development and MBSE solutions for the space industry, specializing in on-board software for satellites and offering related services and toolchains.

NanoAvionics

Lithuania · 2014 · 1 product

Pre-integrated nanosatellite buses (3U–16U+ MP42), green chemical propulsion, mission integration.

Needronix

Poland · 2017 · 1 product

Polish smallsat hardware company designing and manufacturing components and subsystems for CubeSats and small satellites, serving commercial and institutional space customers across Europe.

Novi

United States · 2020 · 2 products

American space technology company developing satellite systems and space infrastructure solutions.

Omnipresent Robot Technologies

India · 2010 · 1 product

Indian deep-tech company building autonomous space, aerial and robotic systems, including SAR satellites, onboard edge-computing payloads and AI perception software for defense and commercia

OrbitsEdge

United States · 2018 · 1 product

OrbitsEdge is a Cocoa Beach, Florida-based company developing ruggedized, flight-qualified edge computing platforms that bring high-performance data processing and AI inference directly into

Pumpkin, Inc.

United States · 1995 · 24 products

San Francisco-based manufacturer of flight-proven CubeSat kits, SUPERNOVA nanosatellite buses, and spacecraft power/electronics components, with over 150 kits delivered and dozens of success

Rakon Limited

New Zealand · 1967 · 8 products

Global leader in frequency control and timing solutions — space-qualified oscillators, GNSS receivers and S-band transceivers — with 40+ years of flight heritage.

Ramon.Space

Israel · 2004 · 1 product

Israeli developer of space-resilient, radiation-tolerant onboard computing infrastructure — AI/DSP processors, storage and communication processors that turn satellites into software-defined

Redwire Space Belgium (ex-QinetiQ Space)

Belgium · 1988 · 1 product

Belgian satellite systems facility in Kruibeke, formerly QinetiQ Space nv, acquired by Redwire Space in 2022; delivers entire satellites, avionics, and the International Berthing and Docking

Rogue Space Systems Corp.

United States · 2020 · 1 product

US builder of autonomous orbital robots (Orbots) for proximity operations, satellite inspection, in-space compute, and orbital logistics, headquartered in Laconia, New Hampshire.

RUAG Space

Switzerland · 1993 · 9 products

Swiss-Swedish space components manufacturer providing satellite structures, thermal control products, payload electronics, and antennas for commercial and institutional programs.

Réaltra Space Systems Engineering

Ireland · 2017 · 1 product

Irish space-electronics company designing and manufacturing ruggedized avionics and telemetry systems for launch vehicles and space missions.

S4 - Smart Small Satellite Systems GmbH

Germany · 2017 · 2 products

German manufacturer (Wuerzburg) of pico/nanosatellite subsystems and tailored small satellite systems, with flight heritage tracing back to the first German pico-satellite UWE-1.

Saturn Satellite Networks

United States · 2017 · 1 product

Satellite hardware company developing MiniGeoSat and Nationsat platforms, along with software-defined radio and shared-launch programs for affordable GEO and regional satellite missions.

Saturn Space

United States · 2017 · 1 product

Saturn Satellite Networks (SSN) Inc. is a US-based space technology company that designs and manufactures reliable, affordable satellites for GEO, MEO, and LEO applications.

Serenum Space

Czech Republic · 2020 · 1 product

SERENUM Space is a CubeSat component and BUS manufacturer, integrator, and service provider based in Brno, Czech Republic, and a commercially oriented subsidiary of VZLU AEROSPACE.

Sidus Space, Inc.

United States · 2012 · 1 product

US space and defense technology company (NASDAQ: SIDU) building the LizzieSat multi-mission satellite platform, AI/ML edge-computing avionics, and precision satellite manufacturing services

SkyLabs d.o.o.

Slovenia · 2013 · 7 products

SkyLabs is a Slovenian space-technology company that designs and manufactures miniaturized, fault-tolerant on-board data handling, communications, power, ADCS/GNC and EGSE equipment for small

Space Cubics Inc.

Japan · 2018 · 2 products

JAXA-affiliated Japanese venture (Sapporo, founded 2018) designing FPGA-based onboard computers for CubeSats and small satellites, with flight heritage on ISS Kibo and lunar landers.

Space Inventor ApS

Denmark · 2015 · 2 products

Space Inventor ApS is a Danish second-generation NewSpace company providing non-ITAR CubeSat, nanosat, and microsat components, platforms, and turnkey satellite missions with full vertical integration

Space Micro

United States · 2002 · 10 products

US manufacturer of rad-tolerant space electronics (TT&C, C&DH, laser communication terminals, RF transmitters/transponders, star trackers, sun sensors, and single-board computers) for satellite

Space Products and Innovation (SPiN)

Italy · 2015 · 3 products

SPiN (Space Products and Innovation) develops MA61C, a plug-and-play intelligent Command and Data Handling (C&DH) node that lets satellite manufacturers integrate subsystems from different sources

Spacemanic s.r.o.

Slovakia · 2019 · 3 products

Slovak-Czech full-service nanosatellite mission provider offering CubeSat platforms (1U-16U), onboard subsystems, rideshare launch integration, and ground segment services.

SpaceTech GmbH

Germany · 2004 · 1 product

German space company designing, developing and producing solar arrays, laser-optical instruments and space electronics for satellite missions.

Spiral Blue

Australia · 2021 · 1 product

Australian space technology company building LiDAR and AI edge computing systems for LEO satellites.

SPUTNIX

Russia · 2011 · 6 products

SPUTNIX is a Russian manufacturer of nanosatellite and microsatellite platforms, onboard subsystems and ground infrastructure, operating as a subsidiary brand of Sitronics Group.

SSTL (Surrey Satellite Technology)

United Kingdom · 1985 · 1 product

SSTL designs, builds, tests, and operates small satellites, pioneering the use of COTS components and having launched approximately 70 satellites for 22 countries.

ST Engineering Satellite Systems

Singapore · 1997 · 1 product

Singapore-based satellite manufacturer providing end-to-end satellite design, manufacturing, testing, launch and ground segment services, plus flight-proven space avionics.

TelePIX

South Korea · 2019 · 1 product

End-to-end satellite solutions from payload development to AI-powered analytics — hyperspectral/EO payloads, onboard edge-AI processors, and satellite imagery analytics software.

Terma

Denmark · 1949 · 1 product

Terma is a global aerospace, defense, and security company that develops and manufactures radar systems, aircraft self-protection systems, and space components like star trackers for interna

Tethers Unlimited, Inc. (AMERGINT)

United States · 1994 · 1 product

US developer of deployable space structures, the SWIFT software-defined radio, HYDROS water-electrolysis thrusters and in-space manufacturing tech; now part of ARKA Group (formerly AMERGINT)

Tiger Innovations, Inc.

United States · 1997 · 1 product

US aerospace electronics firm (General Atomics subsidiary); solar array simulators, RF devices, EGSE, and payload testing for space programs.

Totum Labs

United States · 2018 · 1 product

Satellite IoT connectivity company delivering direct-to-satellite, indoor-capable tracking and monitoring using its proprietary DMSS waveform and LEO nanosatellite constellation.

Tsd-space

Italy · 1977 · 1 product

Italian space imaging and avionics company in Pozzuoli; cameras, focal plane arrays, image compression, OBCs, C&DH systems, power management, and ground segment equipment.

Tyvak International S.r.l.

Italy · 2013 · 1 product

Italian manufacturer of CubeSat and small satellite platforms and subsystems, a Terran Orbital company with deep flight heritage across scientific and commercial missions.

Unibap Space Solutions AB

Sweden · 2013 · 3 products

Swedish space computing company offering the iX10/iX5 onboard computers, SCOS OS, and LOOM hyperspectral pipeline for AI-enabled satellite operations.

VECTRONIC Aerospace GmbH

Germany · 2000 · 2 products

German manufacturer of space subsystems — reaction wheels, star trackers, power control, and data handling units — with over 25 years of flight heritage on small satellite missions.

VENG S.A.

Argentina · 2007 · 1 product

Argentine space engineering company (Buenos Aires, founded 2007) and prime contractor to CONAE for the Tronador II launch vehicle programme, satellite avionics, propulsion, and ground-segmen

VVDN Technologies

India · 2007 · 1 product

India-based contract engineering and electronics manufacturing company serving aerospace and defence with avionics, tactical communications, UAS and satellite communications subsystems.

Xiphos Technologies

Canada · 2003 · 12 products

Xiphos Technologies designs low-SWaP Zynq and Versal-based computing modules and on-board computers for SmallSats, offering 120+ years of cumulative flight heritage.

Zaitra

Czech Republic · 2020 · 1 product

Czech space-tech company building on-board data processing hardware and AI software that make Earth observation satellites more autonomous.

Zhongke Tiansuan (Comospace)

China · 2024 · 2 products

Chinese space-based intelligent computing startup building satellite-borne AI supercomputers under its 'Tiansuan Plan.'

ZIN Technologies

United States · 4 products

ZIN Technologies is a Cleveland, Ohio aerospace engineering firm with 65+ years of heritage delivering flight-proven spacecraft power, computing, and systems integration hardware for NASA an

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