

NEWSPACE MARKET · SECTOR CATALOGUE

Antennas

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

235

PRODUCTS

76

MANUFACTURERS

27

COUNTRIES

84

WITH DATASHEETS

newspacemarket.com/catalogues/antennas/

as of 2 September 2026

What is inside

This catalogue lists **235 antennas products** offered by **76 manufacturers** across **27 countries**. Of those, 84 carry a manufacturer datasheet and 11 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 2 September 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 19	United Kingdom 6	Spain 4	Italy 3	Ireland 3	China 3	Russia 3
Denmark 3	Israel 3	France 2	India 2	South Africa 2	Netherlands 2	Germany 2
Poland 2	Sweden 1	Bulgaria 1	Ecuador 1	South Korea 1	Lithuania 1	Thailand 1
Nigeria 1	Singapore 1	Turkey 1	Czech Republic 1	Slovakia 1	Switzerland 1	

All products at a glance

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
1.9G15X-XXC-X-S Lightweight GPS L1 Antenna	Antcom Corporation	United States	Frequency: GPS L1	on request
240-GM13 Communication Module	Guodian Gaoke (Tianqi Satellite)	China	Operating voltage: 3.3~5.3 V	on request
3 dB, 90-Degree Hybrid Coupler, Model 1831	KRYTAR	United States	Frequency range: 1.0 to 18.0 GHz	on request
5G NB-IoT Satellite Connectivity Service	Sateliot	Spain	Standard: 3GPP 5G NB-IoT (3GPP Rel. 13)	on request
80W Ku-band SSPA	ETL Systems	United Kingdom	Input Frequency: 850-3000 MHz (selectable in 1 KHz steps)	on request
AC-2000	AAC Clyde Space	Sweden	Frequency band: S-band	on request
AC-2000 S-Band Polarized Antenna	AAC SpaceQuest (AAC Clyde Space subsidiary)	United States	Frequency band: S-band	on request
AeroMax Flat-Panel Antenna	NXT Communications (NXTCOMM)	United States	—	on request
ANT-100	AAC Clyde Space	Sweden	Frequency bands: UHF (400-450 MHz), VHF (130-175 MHz)	on request
ANT-100 VHF/UHF Whip Antenna	AAC SpaceQuest (AAC Clyde Space subsidiary)	United States	Frequency bands: VHF, UHF, S-band	on request
ANT61 Beacon S	ANT61	United Kingdom	Data volume: 2.2 MB	on request
Antenna AA2-KKS	Glavkosmos	Russia	Frequency range: 1238–1257 MHz (GLONASS L1); 1571–1614 MHz (GPS L1)	on request
Antenna ANT-406VA	Glavkosmos	Russia	Purpose: As part of Cospas-Sarsat Aviation Radiobeacons. Work through space...	on request
Antenna Array	Glavkosmos	Russia	Flight qualification of the product: Yes	on request
Antenna Feeds & Feed Clusters	Optisys	United States	Technology: Patented additively manufactured feeds	on request
Antenna-feeder Device (AFD) Ionosphere	Glavkosmos	Russia	Year of release: 2010	on request
Antenna-feeder Device (AFD) MBITS-01	Glavkosmos	Russia	Purpose: Designed to work as part of the onboard telemetry equipment of the...	on request
Antenna-feeder Device 475-2	Glavkosmos	Russia	Purpose: Designed for transmitting and receiving information, as well as re...	on request
Antenna-feeder Device 77531	Glavkosmos	Russia	Purpose: Designed to work as part of the on-board radio systems of the spac...	on request

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Antenna-feeder Device BIS-MV	Glavkosmos	Russia	Purpose: Designed to work as part of the on-board radio systems of the spac...	on request
Antenna-feeder Device of Wideband Communication System	Glavkosmos	Russia	Purpose: Subscriber relay for wideband communication system between ISS sci...	on request
Antenna-feeder Device TKS	Glavkosmos	Russia	Purpose: Ensuring simultaneous reception and transmission of high-frequency...	on request
Antenna-feeder system of the UHF band	SPUTNIX	Russia	Antenna type: monopole	on request
Antenna-feeder Systems of the Spacecraft	Glavkosmos	Russia	Purpose: Development, manufacture and testing of spacecraft antenna-feeder ...	on request
APEX Electronically Steered Antenna	Hanwha Phasor	United Kingdom	Antenna type: Flat-panel electronically steered antenna (ESA), phased array	on request
Astrome Technologies Product Portfolio	Astrome Technologies	India	Frequency: S-band to V/W-band	on request
AstroMesh Unfurlable Mesh Antenna Reflector	Northrop Grumman Space Systems	United States	Aperture range: 3 to 22 meters	on request
BeamBox Expandable Antenna Communication Payload	NSLComm (BeetleSat)	Israel	Platform: Nanosatellites (LEO)	on request
BEAMSAT K-Band Patch Antenna	PicoSaTs	Italy	Frequency: 17.3 - 21.2 GHz	on request
BEAMSAT K/Ka-Band Horn Antenna	PicoSaTs	Italy	Frequency k-band: 17.3 - 21.2 GHz	on request
BEAMSAT Ku-Band Horn Antenna	PicoSaTs	Italy	Frequency KU-band 1: 10.7 - 12.75 GHz	on request
BEAMSAT X-Band Patch Antenna	PicoSaTs	Italy	Frequency: 8.025 - 8.4 GHz	on request
BeetleSat Expandable Ka-band Parabolic Antenna	NSLComm (BeetleSat)	Israel	Antenna type: Ka-band deployable parabolic reflector	on request
Branching Filter	Glavkosmos	Russia	Swr in the frequency band 27000-27002 mhz: not exceeding 1.2 between output...	on request
BusCORE Satellite RF Terminal	SkyFox Labs s.r.o.	Czech Republic	Type: Dual Cold Redundant Satelllite RF Terminal	\$5 990
C-band Antenna which Forms Planimetric Directional Diagram	Glavkosmos	Russia	Purpose: Forming required servicing area; signal reception within the opera...	on request
C-band Band-pass Filter	Glavkosmos	Russia	Swr within the operating frequency band: not exceeding 1.22 dB	on request
C-band Global-beam Antenna	Glavkosmos	Russia	Purpose: Forming required servicing area; signal reception within the opera...	on request
C-Band Transponder	IMT (Ingegneria Marketing Technologies)	—	Design lifetime: 3 years	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Cassegrainian Antenna	Glavkosmos	Russia	Purpose: Forming required servicing area; signal reception within the opera...	on request
CatSat 10 GHz Patch Antenna	FreeFall Aerospace	United States	Frequency: 10 GHz (X-band); C-band beacon variant also flown	on request
CFRP Antennas for LEO Satellites	Composi	Spain	–	on request
CGSP457.A GNSS SatCom 1542-1643 MHz 45 x 45 x 7 mm Patch Antenna	Taoglas	Ireland	Technology: Embedded Antennas, GNSS	on request
Choke Ring Ka-band TT&C Antenna	Anywaves	France	TRL: 7	on request
CHORUS Deployable Antenna	2NDSpace Srl	Italy	Frequency range: 150–930 MHz	on request
CHORUS Deployable Antenna	2NDSpace Srl	Italy	–	on request
CHORUS-01 Deployable Cubesat antenna	2NDSpace Srl	Italy	Polarization (LP): Linear	on request
CHORUS-06 Deployable Cubesat antenna	2NDSpace Srl	Italy	Polarization (CHORUS-06-M): Linear	on request
Compact S-Band TT&C Antenna	Anywaves	France	Frequency band: 1.98 GHz to 2.29 GHz	on request
Compact Wideband Antennas	Anywaves	France	Frequency band: UHF to S-band (custom – defined per project, from ~300 MHz ...	on request
Compact X-Band Dual Polarized Antenna	Anywaves	France	Frequency band: 8.025 GHz to 8.4 GHz	on request
Compact X-Band Payload Telemetry Antenna	Anywaves	France	Frequency band: 7.9 GHz to 8.5 GHz	on request
Cu-Be Deployable Antenna Element	Apogeo Space	Italy	Material: Copper-Beryllium (Cu-Be) a-magnetic alloy	on request
CubeCAT	AAC Clyde Space	Sweden	Tx frequency: 2200-2290 MHz (S-band downlink)	on request
CubeSat & SmallSat UHF Antenna System	NanoAvionics	Lithuania	Antenna type: Turnstile / Quad-Monopole	from €5 300
CubeSat Kit™ Components for ISIS Antenna System (AntS)	Pumpkin, Inc.	United States	–	on request
Deployable Helical Antennas	Oxford Space Systems	United Kingdom	Stowage Efficient: Yes	on request
Deployable Reflector of Antenna with 4.2 m Aperture Diameter	Glavkosmos	Russia	Reflector aperture diameter (deployed): 4200 mm	on request
Direct Radiating Array Antenna	Anywaves	France	Frequency band: Ku band to Ka band (custom – defined per project)	on request
Double-mirror Ka-band Parabolic Antenna	Glavkosmos	Russia	Purpose: Forming required servicing area; signal radiation within the opera...	on request
Dual Band Helical Antenna	MMA Design	–	Frequency (low band): 400–600 MHz	on request
Electronically Steerable Antenna (ESA) OrBeam 5534	Orbit Communication Systems	Israel	Frequency Transmit: 27.5 – 31 GHz	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
EXA GCA01 – Compact GNSS Active Patch Antenna	EXA (Ecuadorian Space Agency)	Ecuador	Manufacturer: EXA	€1 700
EXA SSA01 – Wide Bandwidth S-band Patch Antenna	EXA (Ecuadorian Space Agency)	Ecuador	Bandwidth: up to 195 MHz	€2 200
EXA SSA02- 34dB Wide Bandwidth amplified S-band Patch Antenna	EXA (Ecuadorian Space Agency)	Ecuador	Manufacturer: EXA	€9 400
Feed as a Component of the Ku-band Multiple-beam Antenna	Glavkosmos	Russia	Frequency band: Ka	on request
Feed of the C-band Antenna which Forms Planimetric Directional Diagram	Glavkosmos	Russia	Lead time: 12 months	on request
Feed of the Large Ku-band Antenna System which Forms Planimetric Directional Diagram	Glavkosmos	Russia	Frequency band: Ku	on request
Flexible Waveguides of Flight Communication Equipment and Antenna Feed System	Glavkosmos	Russia	Purpose: Providing signal transmission in the required frequency band.	on request
G5Ant-1XXX-S Multi-Band GNSS Antenna for Space Applications	Antcom Corporation	United States	Frequency: Multi-band GNSS	on request
GA080L Geesatcom Satellite Antenna	Geespace	China	Supports: GEESATCOM satellite communication	on request
Gimbaled Deployable Ka-Band Antenna for CubeSats and SmallSats	Arquimea	Spain	Frequency band: Ka-band (26.5–40 GHz)	on request
GM1003	Geespace	China	Feature: Supports GEESATCOM satellite communication	on request
GNSS Active Patch Antenna	ISISPACE Group	Netherlands	Mass: < 20 g	on request
GNSS All-Bands Antenna	Anywaves	France	Frequency band: 1160 MHz to 1610 MHz GPS L1/L2/L5, Galileo E1/E5a/E5b/E6, G...	on request
GNSS All-Bands Antenna with LNA Integrated Board	Anywaves	France	Frequency band: 1160 MHz to 1610 MHz – GPS L1/L2/L5, Galileo E1/E5a/E5b/E6,...	on request
GNSS All-Bands Launcher Antenna	Anywaves	France	Frequency band: 1.16 GHz to 1.61 GHz – GPS L1/L2/L5, Galileo E1/E5a/E5b/E6,...	on request
GNSS L1/E1 Bands Antenna	Anywaves	France	Model: ASA-052026	on request
GNSS Patch Antenna L1+L2+L5	EnduroSat	Bulgaria	Operating frequency: L1+L2+L5	on request
GoSAT Satellite Internet Service — Africa	GoSAT Africa	United Kingdom	Technology: VSAT via Eutelsat Konnect satellite	on request
Helical-beam Antenna	Glavkosmos	Russia	Flight qualification of the product: Yes	on request
Helios deployable antenna	Helical Communication Technologies (HCT)	United States	Manufacturer: HCT	on request
High Gain X-Band Payload Telemetry Antenna	Anywaves	France	Realized Gain: > 20 dBi	on request
Hinged Rib Antenna	Oxford Space Systems	United Kingdom	–	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Horn Antenna	Glavkosmos	Russia	Frequency band: S, Ku, Ka	on request
Horn Arrays	Optisys	United States	Technology: Additively manufactured monolithic waveguide and horn structures	on request
Horn Arrays	SWISSto12	Switzerland	Gain (Ka High Gain): 36 dBi @ 20 GHz & 39.5 dBi @ 30 GHz	on request
HummingLink	SWISSto12	Switzerland	–	on request
Inflatable Antenna System	FreeFall Aerospace	United States	Reflector type: Spherical, inflatable membrane	on request
Innovative Deployable Antennas	Oxford Space Systems	United Kingdom	–	on request
ISISPACE Antenna – VHF/UHF Deployable 6U/12U	ISISPACE Group	Netherlands	Manufacturer: ISISPACE	on request
ISISPACE GNSS Patch Antenna	Innovative Space Logistics	Netherlands	Mass: < 20 g	on request
K-BAND 4x4 PATCH ARRAY	EnduroSat	Bulgaria	Frequency range: 17.7 - 20.2 GHz	on request
Ka Band Analog Phase Shifters (16-22 GHz & 25.5-32.5 GHz)	celtonn	Ireland	Frequency (variant 1): 16-22 GHz, >350° phase range	on request
Ka Band Transponder	Paradigma Technologies	Germany	RF output frequency: 17.3 – 21.2 GHz	on request
Ka-band Antenna for the Locator Beacon Signal Transmission	Glavkosmos	Russia	Frequency band: Ka	on request
Ka-Band Beam-Forming Integrated Circuits	Thorium Space Technology	Poland	Wildside2731 function: TX (terrestrial)	on request
Ka-Band High-Gain Antenna	Anywaves	France	Frequency band: Ka-Band (26.5–40 GHz)	on request
Ka-band High-precision Antenna	Glavkosmos	Russia	Purpose: Forming required servicing area; signal reception within the opera...	on request
KRYTAR 4x4 Butler Matrix Model KBM9010180	KRYTAR	United States	Frequency range: 1.0 to 18.0 GHz	on request
KSPA-U UHF/VHF Patch Antenna	Kairo Space	South Korea	Type: Patch antenna	on request
Ku-band Multiple-beam Antenna	Glavkosmos	Russia	Purpose: Forming required servicing area; signal reception within the opera...	on request
L-Band Single Patch Antenna (PATCH1-L-R)	Space Inventor ApS	Denmark	Msrp: €4,000	\$4 000
L.Garde Deployable Antennas	L.Garde Inc	–	Flight heritage: STS-77 (Inflatable Antenna Experiment - IAE)	on request
Large Ku-band Antenna System which Forms Planimetric Directional Diagram	Glavkosmos	Russia	Purpose: Forming required servicing area; signal radiation within the opera...	on request
LinkStar-STX3-PC104	sci_Zone / QuickSAT	United States	Antenna: TW1500 Antenna - 4.25 dBic dual-feed patch, 1610 - 1620 MHz	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Low Pass Filter	Glavkosmos	Russia	Swr within the operating frequency band: not exceeding 1.15	on request
Low-Noise Block Downconverter 1–12 GHz – Space LNB	Anywaves	France	Frequency coverage: 1 GHz to 12 GHz (three sub-bands: 1–2 / 2–6 / 6–12 GHz)	on request
microPATCH-L1/FM (Flight Model)	SkyFox Labs s.r.o.	Czech Republic	Part Number: microPATCH-L1/FM (Flight Model)	on request
miniPATCH-L1/FM (Flight Model)	SkyFox Labs s.r.o.	Czech Republic	Dimensions: 75x75 mm	on request
Mirror Antenna	Glavkosmos	Russia	Purpose: Forming required servicing area; signal reception within the opera...	on request
Mirror Antenna Reflector	Glavkosmos	Russia	Frequency band: S, Ku, Ka, Q	on request
Multi-Band Antenna	Helical Communication Technologies (HCT)	United States	Frequency range: 100-3000 MHz	on request
Multiple-beam Feed	Glavkosmos	Russia	Frequency band: Ka, Q	on request
NanoCom AM2150-O MK2	GomSpace	Denmark	Frequency range: 2025-2290 MHz	on request
NanoCom AM2150-O MK2	GomSpace	Denmark	–	on request
NanoCom AM2150-P/PS	GomSpace	Denmark	Frequency Range: 2025 – 2290 MHz	on request
NanoCom ANT-6F	GomSpace	Denmark	Structure compatibility: GomSpace 6U structures	on request
NanoCom ANT1090-P	GomSpace	Denmark	Frequency: 1090 MHz	on request
NanoCom ANT2150 DUP and ANT2150 ISL	GomSpace	Denmark	Frequency range (DUP): RX: 2025-2110 MHz; TX: 2200-2290 MHz	on request
NanoCom Link IS1	GomSpace	Denmark	Frequency range: 2200–2290 MHz	on request
NanoCom Link S	GomSpace	Denmark	Full duplex continuous mode: Up to 7.5 Mbit/sec (CCSDS 131.0-B-4)	on request
NanoCom Link X	GomSpace	Denmark	Configurable raw transmit rate: Up to 210 Mbps	on request
nanoPATCH-L1/FM (Flight Model)	SkyFox Labs s.r.o.	Czech Republic	Dimensions: 50x50 mm	on request
NanoUtil FPP Top GSSB	GomSpace	Denmark	Supply voltage: 3.3 V	on request
NexTenna S — Steerable Antenna for Space Segment	NexTenna	Israel	Technology: Zero-power field-effect phase shifter DRA	on request
NSL EyeStar S4	NearSpace Launch	United States	Flight heritage: since 2015	on request
NuLink — LEO LoRaWAN IoT Satellite Constellation	NuSpace Pte Ltd	Singapore	Protocol: LoRaWAN (direct sensor-to-satellite, no gateway required)	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
NXTCOMM Defense Electronically Steered Antenna (ESA)	NXT Communications (NXTCOMM)	United States	–	on request
Offset Mirror Antenna	Glavkosmos	Russia	Purpose: Forming required servicing area; signal reception within the opera...	on request
OFFSET REFLECTOR	Oxford Space Systems	United Kingdom	–	on request
On-board High Precision Large Antenna for Deep Space Exploration	Glavkosmos	Russia	Purpose: component of large antenna systems	on request
Oxford Space Systems Deployable Helical Antenna for IoT applications	Oxford Space Systems	United Kingdom	Manufacturer: Oxford Space Systems	on request
Oxford Space Systems Deployable Yagi Antenna for AIS and VDES applications	Oxford Space Systems	United Kingdom	Deployed length: 900 mm	on request
P-band Global-beam Antenna	Glavkosmos	Russia	Purpose: Forming required servicing area; signal reception within the opera...	on request
Patch Antennas	IQ Spacecom	–	Flight heritage / maturity: Flight proven design (TRL 9)	on request
PATCH1-S-R	Space Inventor ApS	Denmark	Msrp: €4.000	on request
Payload Antenna System	MinoSpace	China	–	on request
piADSB-NG/FM (Flight Model)	SkyFox Labs s.r.o.	Czech Republic	Sensitivity: up to -106 dBm (10 ⁻² BER)	on request
piPATCH-ADSB	SkyFox Labs s.r.o.	Czech Republic	Type: High Gain Non-Deployable ADS-B Antenna	\$2 390
piPATCH-AllBand/FM (Flight Model)	SkyFox Labs s.r.o.	Czech Republic	Dimensions: 98x82.6 mm	on request
piPATCH-DualBand/FM (Flight Model)	SkyFox Labs s.r.o.	Czech Republic	Dimensions: 98x82.6 mm	on request
piPATCH-IoT	SkyFox Labs s.r.o.	Czech Republic	Type: All Band CubeSat IoT/ISM/Lora/SigFox Antenna	\$2 390
piPATCH-IoT-TC	SkyFox Labs s.r.o.	Czech Republic	Type: All Band CubeSat IoT/ISM/Lora/SigFox Antenna	\$2 390
piPATCH-L1E1/FM (Flight Model)	SkyFox Labs s.r.o.	Czech Republic	Dimensions: 98x98 mm, low profile, MCX-F connector	on request
piPATCH-L1L2/FM (Flight Model)	SkyFox Labs s.r.o.	Czech Republic	Mass: 70 grams	on request
piPATCH-LG/FM (Flight Model)	SkyFox Labs s.r.o.	Czech Republic	Dimensions: 98x98 mm, low profile	on request
piPATCH-MAX/FM (Flight Model)	SkyFox Labs s.r.o.	Czech Republic	Mass: 89 grams (excluding mounting screws)	on request
piPATCH-S-DL	SkyFox Labs s.r.o.	Czech Republic	Type: CubeSat S-Band Patch Antenna, RHCP Downlink	\$2 390
piPATCH-S-UL	SkyFox Labs s.r.o.	Czech Republic	Type: CubeSat S-Band Patch Antenna, RHCP Uplink	\$2 390

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Pulsar HSTX	AAC Clyde Space	Sweden	Temperature: -25 to +61 C	on request
Pulsar STX	AAC Clyde Space	Sweden	Temperature: -25 to +51 C	on request
PULSAR-SANT	AAC Clyde Space	Sweden	Frequency (SANTC): 2.2-2.3 GHz	on request
PULSAR-XANT-PLUS	AAC Clyde Space	Sweden	Frequency range: 8.025-8.45 GHz	on request
Q-band Band-pass Filter	Glavkosmos	Russia	Swr within the operating frequency band: not exceeding 1.15	on request
QHA Deployable Antenna	Helical Communication Technologies (HCT)	United States	Antenna type: Quadrifilar Helical Antenna (QHA), deployable	on request
Quad-Ridged Horn Antenna	Anywaves	France	Frequency band: S to X band – S+C band version: ~2–6 GHz C+X band version...	on request
Quadrifilar Helix Antenna	Anywaves	France	Polarization: Single-circular polarization (LHCP or RHCP, custom)	on request
QUASAR-STRX	AAC Clyde Space	Sweden	Temperature: -25 to +60 C	on request
QUASAR-WSANT	AAC Clyde Space	Sweden	Frequency band: 2025-2290 MHz	on request
Redwire FALCCON High Gain Broadband Space Antenna	Redwire Corporation	United States	Peak gain (high-gain config): 21 dBic	on request
Reflectarray Antenna	Anywaves	France	Central frequency: X-band to Ka-band (scalable toward Q/V band)	on request
Reflector as a Component of the Ku-band Multiple-beam Antenna	Glavkosmos	Russia	Purpose: Component of the Ku-band multiple-beam antenna.	on request
Reflector of the C-band Antenna which Forms Planimetric Directional Diagram	Glavkosmos	Russia	Purpose: Component of the C-band antenna which forms planimetric directiona...	on request
Reflector of the Large Ku-band Antenna System which Forms Planimetric Directional Diagram	Glavkosmos	Russia	Purpose: Component of the large Ku-band antenna system with planimetric dir...	on request
Reshapable Mesh Reflector Antenna	Mithril Technologies	United States	Dimensions: 1-meter	on request
RF Antennas (LYRA range)	NewSpace Systems (NSS)	South Africa	S-band air gap - frequency: 2200 MHz to 2290 MHz	on request
RF Pigtail Cable/FM (Flight Model)	SkyFox Labs s.r.o.	Czech Republic	Part Number: RF Pigtail/FM (Flight Model)	on request
RFX-400	Tiger Innovations, Inc.	United States	Frequency range: 387 - 464 MHz (90 usec settling time)	on request
S band antenna-feeder system	SPUTNIX	Russia	Antenna type: Two-way spiral	on request
S-Band 2x2 Antenna Array (PATCH2X2-S-R)	Space Inventor ApS	Denmark	Frequency range: 2025-2110 MHz or 2200-2290 MHz	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
S-Band Antenna Commercial	EnduroSat	Bulgaria	Frequency range: 2025 - 2110 MHz	on request
S-Band Antenna ISM	EnduroSat	Bulgaria	Frequency range: 2400 - 2450 MHz	on request
S-BAND ANTENNA WIDEBAND	EnduroSat	Bulgaria	Frequency range: 2025-2110 MHz and 2200-2290 MHz	on request
S-Band Coupler	WiRan	Poland	Flight models: available in days/weeks, depending on specific requirements	on request
S-Band Diplexer	WiRan	Poland	Operating frequency band: 2025-2290 MHz	on request
S-Band Dual-Band Patch Antenna	Plan-S (Connecta)	Turkey	Frequencies: 2025-2110 MHz / 2200-2290 MHz	on request
S-Band Flat Panel Antenna PAN-185185-4-S	ReliaSat	United Kingdom	Frequency: 1.95-2.25 GHz	on request
S-Band IoT Antenna Array	TALOS GmbH	Germany	Frequency: S-band	on request
S-Band Launcher Antenna	Anywaves	France	Frequency band: 2.025 GHz to 2.29 GHz	on request
S-Band Patch Antenna	ISISPACE Group	Netherlands	Mass: < 60 g	on request
S-band Patch Antenna	NBSpace	Thailand	Product family: Antenna System (deployable antennas)	on request
S-Band Patch Antenna	Plan-S (Connecta)	Turkey	Frequencies: 2025–2110 MHz or 2200–2290 MHz	on request
S-Band Patch Antenna	Innovative Space Logistics	Netherlands	Mass: <60 g	on request
S-Band Patch Antenna RHCP for HISPICO	IQ Spacecom	–	Manufacturer: IQ Spacecom	on request
S-BAND SPLITTER	WiRan	Poland	Compliant with: CubeSat nanosatellite standard	on request
S-Band TMTC Antenna	ISISPACE Group	Netherlands	Mass: < 60 g	on request
S-band TMTC antenna	Innovative Space Logistics	Netherlands	Mass: <60 g	on request
S-Band TT&C Antenna	Anywaves	France	Frequency band: From 2.025 GHz to 2.29 GHz	on request
Satellite Antennas	Celestial Space Technologies	South Africa	Operating range: 2.05 – 2.30 GHz	on request
Satlab SAS-2 dual S-band patch antenna	Satlab A/S	Denmark	Frequency range rx: 2025 to 2110 MHz	on request
Single-beam Feed	Glavkosmos	Russia	Frequency band: S, Ku, Ka, Q	on request
SkyTerra-1 Direct-to-Device Network	Ligado Networks	United States	Antenna: 22-meter reflector	on request
Slotted Waveguide Array Antenna	Anywaves	France	Frequency band: Ku band to Ka band (custom – defined per project)	on request
Small Antenna Module (SAM)	Spacemanic s.r.o.	Slovakia	Operating temperature: -40°C to +85°C	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Space Deployable Antenna Reflectors	Prosix Engineering	Spain	Diameter range: 0.5 to 16 m	on request
SPAN-S-T3	Syrlinks	France	Name: SPAN-S-T3	on request
SPAN-X-T3	Syrlinks	France	Name: SPAN-X-T3	on request
StarLight Modem, Amplifiers and Antenna Control Unit	Mbryonics	Ireland	Operating wavelength: 1550 nm (ITU C-band)	on request
SWATH – Spiral Wrap Antenna Technology	Opterus Research and Development	United States	Operating frequencies: Over 100 GHz	on request
SX-SBOX Communications (Microsatellite)	SPUTNIX	Russia	UHF TT&C sx-sbox-trx-UHF-01: 435–438 MHz, 5 W, up to 19200 bit/s, AX.25/USP...	on request
T-XPDR Tactical Adaptive Satellite Transponder	Thorium Space Technology	Poland	Operating frequency band: Ka	on request
Transponder Leasing on NigComSat-1R	Nigcomsat	Nigeria	Satellite name: NigComSat-1R	on request
Troposcatter	ETL Systems	United Kingdom	Output Power: 20-1000W	on request
UDAN Deployable UHF-Helix Antenna	HPS High Performance Space Structure Systems	–	Stowed size: 1U cube, <0.3 kg (antenna only)	on request
UHF ANTENNA 2U	EnduroSat	Bulgaria	Amateur UHF frequency range: 435-438 MHz	on request
UHF Antenna System with Service Panel	Glavkosmos	Russia	Year of release: 2018	on request
UHF Deployable Dipole Antenna	Plan-S (Connecta)	Turkey	Frequencies: 400 - 403 MHz	on request
UHF Deployable Monopole Antenna	Plan-S (Connecta)	Turkey	Frequencies: 360 - 440 MHz	on request
VHF/UHF antenna for 1U-3U	Innovative Space Logistics	Netherlands	Mass: < 90 g	on request
VHF/UHF Antenna for 6U+	Innovative Space Logistics	Netherlands	Mass: 90-115 g	on request
VHF/UHF Antenna for 6U+	ISISPACE Group	Netherlands	Mass: 90-115 g (customisable)	on request
VHF/UHF Antenna System 1	ISISPACE Group	Netherlands	Mass: < 90 g	on request
VHF/UHF Antenna System 2	ISISPACE Group	Netherlands	Mass: 90–115 g (configuration-dependent)	on request
VICTS Space Payload Antenna	ThinKom Solutions, Inc.	United States	Technology: VICTS (space-adapted)	on request
Vireo Ka 288	CesiumAstro	United States	Transmit frequency: 20.2-21.2 GHz (Ka-band)	on request
VIT SATCOM Research Program	Vellore Institute of Technology	India	Type: Research Program	on request
Waveguides of Flight Communication Equipment and Antenna Feed System	Glavkosmos	Russia	Purpose: Providing signal transmission in the required frequency band.	on request
Wide Beam X-Band Payload Telemetry Antenna	Anywaves	France	Frequency band: 8.025 GHz to 8.4 GHz	on request
Wideband Arrays	Optisys	United States	Bandwidth: Up to 6:1	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
WiRan 90° Hybrid Couplers	WiRan	Poland	Flight models available: in days/weeks, depending on specific requirements	on request
WiRan S-Band antenna	WiRan	Poland	Frequency band: 2025-2290 MHz	on request
WiRan X-Band Antenna	WiRan	Poland	Operating bands: 7145-7235 & 8000-8500 MHz	on request
Wraparound™ Antennas	Haigh Farr	United States	Frequency range: 300 MHz to 13 GHz	on request
Wrapped Rib	Oxford Space Systems	United Kingdom	–	on request
X band antenna-feeder system	SPUTNIX	Russia	Antenna type: Mirror	on request
X-Band Diplexer DXA	WiRan	Poland	Operating frequency band: 7145-8500 MHz	on request
X-Band Patch 4 antenna	Space Inventor ApS	Denmark	Msrp: €8,000	on request
X-band Patch Antenna	NBSpace	Thailand	Product family: Antenna System (deployable antennas)	on request
X-Band Patch Antenna	EnduroSat	Bulgaria	Frequency range: 8025 - 8400 MHz	on request
X-Band Patch Array Antenna	Plan-S (Connecta)	Turkey	Frequency range: 7900–8500 MHz	on request
X-Band Splitter	WiRan	Poland	Compliance: CubeSat nanosatellite standard	on request
X-band Transmit/Receive Antenna	Glavkosmos	Russia	Frequency band: X-band	on request
YAGI ANTENNA	Oxford Space Systems	United Kingdom	–	on request
Yamal-401	ISS Reshetnev	Russia	Bus: Express-2000	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
CHORUS Deployable Antenna

CHORUS deployable antennas are configurable UHF or VHF antennas for CubeSats ranging from 1U to 16U, featuring linear double-dipole or turnstile layouts and a triple-redundant depl

Frequency range	150–930 MHz
Bandwidth	20 dB
Typical vswr	< 1.3
Gain	> 0 dBi
Supply voltage	3.3 V / 5 V

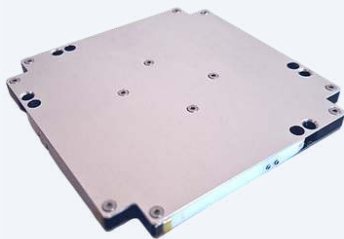
price on request



2NDSPACE SRL
CHORUS Deployable Antenna

CHORUS deployable antennas offer full configurability in UHF or VHF, with linear double-dipole or turnstile layouts covering all form factors from 1U to 16U.

price on request



2NDSPACE SRL
CHORUS-01 Deployable Cubesat antenna

The CHORUS-01 is a deployable antenna system for CubeSats, available in multiple configurations to support various polarization and frequency requirements.

Polarization (LP)	Linear
Configuration (LP)	2x Dipoles
Independent Frequencies (LP)	2x
Frequency	150 - 930 MHz
Suggested for	1U-2U-3U

price on request [datasheet](#)



2NDSPACE SRL
CHORUS-06 Deployable Cubesat antenna

The CHORUS-06 is a deployable antenna system for CubeSats, offering various configurations and polarizations for UHF or VHF bands.

Polarization (CHORUS-06-M)	Linear
Configuration (CHORUS-06-M)	2x Monopoles
Independent Frequencies (CHORUS-06-M)	2x
Frequency	150 - 930 MHz
Suggested for	6U-12U-16U

price on request [datasheet](#)

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
AC-2000

The AC-2000 is a compact antenna controller unit from AAC SpaceQuest designed for S-band communication systems on small satellites and CubeSats. It manages the deployment and steer

Frequency band	S-band
Interface	RS-422 / I2C
Power consumption	~2 W
Operating temperature	-40°C to +85°C
Mass	~80 g

price on request



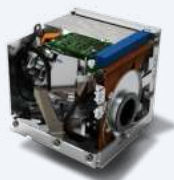
AAC CLYDE SPACE
ANT-100

The ANT-100 is a high-performance, polarized S-band antenna designed for nanosatellites, offering easy system integration, small size, low profile, and rugged design.

Frequency bands	UHF (400-450 MHz), VHF (130-175 MHz)
Deployment mechanism	Burn-wire / shape-memory alloy
Interface	I2C
Power (deployment)	~1.5 W
Mass	~35 g

price on request

[datasheet](#)



AAC CLYDE SPACE
CubeCAT

The CubeCAT is a nanosatellite polarized S-band antenna designed for high performance and easy system integration, featuring a small size, low profile, rugged design, and high dire

Tx frequency	2200-2290 MHz (S-band downlink)
Rx frequency	2025-2120 MHz (S-band uplink)
Tx output power	Up to 1 W
Data rate (downlink)	Up to 4 Mbps
Modulation	BPSK, QPSK

price on request

[datasheet](#)



AAC CLYDE SPACE
Pulsar HSTX

The Pulsar HSTX is a high-speed S-band transmitter designed for nanosatellites, offering reliable uplink and downlink capabilities for space missions.

Temperature	-25 to +61 C
Power	<5 W
Supply voltage	6 V-12V (5 V alternative)
Mass	<100 g
Tx SNR	20 dB

price on request

[datasheet](#)



AAC CLYDE SPACE

Pulsar STX

The Pulsar STX is an S-band transmitter designed for CubeSats and SmallSats, offering reliable uplink and downlink capabilities for space missions.

Temperature	-25 to +51 C
Power	<5 W
Supply voltage	6 V-12V (5 V alternative)
Mass	<100 g
Tx SNR	20 dB

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



AAC CLYDE SPACE

PULSAR-SANT

The PULSAR-SANT is a high-performance, polarized S-band antenna designed for nanosatellites, offering a small size, low profile, and rugged design for easy system integration.

Frequency (SANTC)	2.2-2.3 GHz
Frequency (SANT)	2.4-2.45 GHz
Beamwidth	60 degrees
Gain	7 dBi
S11	<-15 dB

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



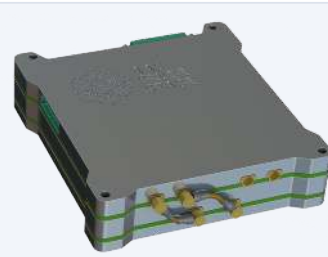
AAC CLYDE SPACE

PULSAR-XANT-PLUS

The PULSAR-XANT-PLUS is a high-performance, polarized S-band antenna designed for nanosatellites, offering high directionality and ease of integration.

Frequency range	8.025-8.45 GHz
Bandwidth (XANT)	200 MHz
Bandwidth (XANT-PLUS)	425 MHz
Gain (XANT)	7.75 dBi +/-0.5 dB
Gain (XANT-PLUS)	11.5 dBi +/-0.5 dB

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



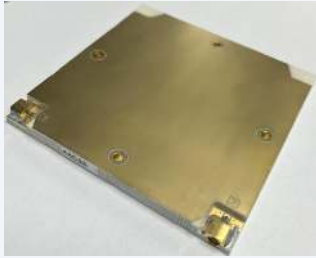
AAC CLYDE SPACE

QUASAR-STRX

The QUASAR-STRX is a software-defined radio (SDR) transceiver designed for small satellites and CubeSats, offering a complete plug-and-play TMTC solution.

Temperature	-25 to +60 C
Mass	270 g
Control and data interfaces	CAN, SPI, I2C
Power consumption	3.5 W receive mode
Tx frequency	2.200-2.290 GHz

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



AAC CLYDE SPACE
QUASAR-WSANT

The Quasar-WSANT is a compact, wideband S-band antenna designed for SmallSats and CubeSats, offering full ITU-R coverage and selectable dual polarization.

Frequency band	2025-2290 MHz
Gain	>5 dBic
Axial ratio	<3 dB
Half-power beamwidth	60 degrees
Return loss	>13 dB

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

AAC SpaceQuest (AAC Clyde Space subsidiary)

UNITED STATES · 2 PRODUCTS

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)
AC-2000 S-Band Polarized Antenna

High-performance, low-profile polarized S-band nanosatellite antenna with high directionality for CubeSat and SmallSat TT&C and payload communications.

Frequency band	S-band
Polarization	Circular (RHCP/LHCP)
Design	Low-profile, high directionality
Target platform	Nanosatellite, CubeSat
Applications	TT&C, payload downlink

[price on request](#)



AAC SPACEQUEST (AAC CLYDE SPACE SUBSIDIARY)
ANT-100 VHF/UHF Whip Antenna

Tunable VHF/UHF static whip antenna for CubeSats and SmallSats. Space-qualified, easy to assemble and mount, covering VHF, UHF, and S-band frequencies.

Frequency bands	VHF, UHF, S-band
Type	Static whip antenna, tunable
Target platform	CubeSat, SmallSat
Deployment	Static (no deployment mechanism)
Applications	TT&C uplink/downlink

[price on request](#)

UK developer of satellite data storage modules and the Beacon — an independent satellite health monitoring and recovery system using Iridium inter-satellite links, proven in orbit in 2024.



ANT61
ANT61 Beacon S

0.25U independent satellite recovery and telemetry module, 375 g, with its own battery, GNSS and two-way Iridium link; TRL-9 since February 2024.

Data volume	2.2 MB
Size class	0.25U
Mass	375 g (without cables)
Dimensions	25.0 x 90.2 x 95.9 mm (+/- 0.2 mm)
Lead time	12 weeks

price on request [datasheet](#)

Antcom Corporation

Antcom Corporation, part of Hexagon's Autonomy & Positioning division, designs and manufactures GPS/GNSS, CRPA, satcom, and combo antennas for aerospace, defense, agriculture, survey, and unmanned systems applications.



ANTCOM CORPORATION
1.9G15X-XXC-X-S Lightweight GPS L1 Antenna

Lightweight GPS L1 patch antenna qualified for space applications.

Frequency	GPS L1
Application	Space
Design focus	Lightweight, low SWaP
Manufacturing	Made in USA

price on request



ANTCOM CORPORATION
G5Ant-1XXX-S Multi-Band GNSS Antenna for Space Applications

Multi-band GNSS antenna qualified for space applications, part of Antcom's G5Ant product family.

Frequency	Multi-band GNSS
Application	Space
Product family	G5Ant
Manufacturing	Made in USA

price on request

French manufacturer of flight-proven space antennas, software-defined radio platforms, and RF payload technologies for satellite and launcher missions, with heritage on 200+ missions.



ANYWAVES
Choke Ring Ka-band TT&C Antenna

The Anywaves Ka-Band TT&C Antenna is a compact, reliable solution for telemetry, tracking and command operations in the Ka-band, available in Rx, Tx, and Rx/Tx models.

TRL	7
Frequency band	Rx: 29.5–30 GHz Tx: 19.7–20.2 GHz
Polarization	Option 1 & 2: Left or Right Hand Circular Polarization (LHCP or RHCP) Option 3: LHCP in Rx
Envelope size	Option 1 : (Rx) 108 × 108 × 44 mm Option 2 : (Tx) 150 × 150 × 60 mm Option 3 : (Rx/Tx) 90
Realized gain	Option 1: Rx: > 5 dBi @ boresight > 0 dBi @ ±80° Option 2: Tx: > 3 dBi @ boresight > 0

price on request [datasheet](#)



ANYWAVES
Compact S-Band TT&C Antenna

The Anywaves Compact S-Band TT&C Antenna is an ultra-compact, TRL 8 antenna for satellite telemetry, tracking and command in the S-Band frequency range of 1.98 to 2.29 GHz, fea

Frequency band	1.98 GHz to 2.29 GHz
Polarization	Left and/or Right Hand Circular Polarization (single or dual simultaneously)
Envelope size	L 70.9 × W 70.9 × H 30.33 mm (connectors included)
Realized gain	> 5.4 dBi @ boresight > 4.2 dBi @ ±30° > 0.5 dBi @ ±60°
TRL	8

price on request [datasheet](#)



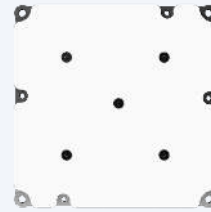
ANYWAVES

Compact Wideband Antennas

Anywaves' Compact Wideband Antennas are custom-designed payload antennas for spectrum monitoring, Space Situational Awareness (SSA), GNSS augmentation, and spectrum surveillance ap

Frequency band	UHF to S-band (custom – defined per project, from ~300 MHz to ~3 GHz)
Polarization	Single-circular polarization (LHCP or RHCP, custom)
Fractional bandwidth	Up to 100%
Size	<1U footprint
TRL	9

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



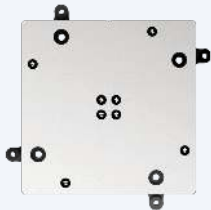
ANYWAVES

Compact X-Band Dual Polarized Antenna

The Anywaves Compact X-Band Dual-Polarized Antenna is a TRL 7 data downlink antenna for LEO satellites, providing simultaneous LHCP and RHCP on two dedicated SMA connectors from a

Frequency band	8.025 GHz to 8.4 GHz
Polarization	Simultaneous Left and Right Hand Circular Polarization (LHCP + RHCP)
Envelope size without connector	L 100 × W 100 × H 26.8 mm (external protruding height: 9.31 mm)
Realized gain	> 15.5 dBi @ boresight @ 8.2 GHz
TRL	7

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



ANYWAVES

Compact X-Band Payload Telemetry Antenna

The Anywaves Compact X-Band Antenna is a TRL 9, flight-proven antenna for payload telemetry downlink from LEO satellites to ground stations, offering high data rates in an ultra-co

Frequency band	7.9 GHz to 8.5 GHz
Polarization	Left or Right Hand Circular Polarization
Envelope size without connector	L 100 × W 100 × H 16.2 mm (protruding height: 6.5 mm)
Realized gain	15.5 dBi @ 8.2 GHz
TRL	9

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



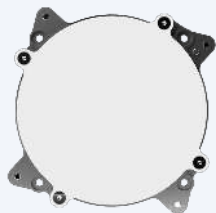
ANYWAVES

Direct Radiating Array Antenna

The Anywaves Direct Radiating Array Antenna is a custom-designed, high-gain flat antenna solution for satellite payload applications in Ku and Ka band, where high power handling an

Frequency band	Ku band to Ka band (custom – defined per project)
Polarization	Left or Right Hand Circular Polarization (custom)
Realized gain	> 30 dBi (design target – scalable per mission)
Fractional bandwidth	~10%
Profile thickness	< 15 mm (without connector)

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



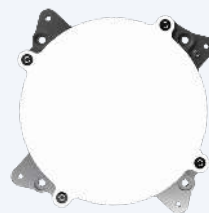
ANYWAVES

GNSS All-Bands Antenna

The Anywaves GNSS All-Bands Antenna is a TRL 9 navigation antenna for LEO satellites, covering the full 1160 MHz to 1610 MHz frequency range to receive all GNSS constellations simultaneously.

Frequency band	1160 MHz to 1610 MHz GPS L1/L2/L5, Galileo E1/E5a/E5b/E6, GLONASS G1/G2/G3, BeiDou B1/B2a/
Polarization	Right Hand Circular Polarization (RHCP)
Envelope size without connector	99.4 × 99.4 × 16.2 mm (external protruding height: 8.6 mm)
Realized gain	> 0 dBi @ boresight
TRL	9

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



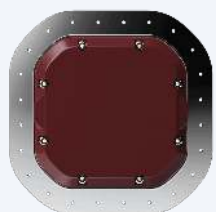
ANYWAVES

GNSS All-Bands Antenna with LNA Integrated Board

The Anywaves GNSS All-Bands Antenna with LNA Integrated Board is a TRL 7 active navigation antenna for LEO satellites, combining full multi-constellation GNSS coverage with an integrated LNA.

Frequency band	1160 MHz to 1610 MHz – GPS L1/L2/L5, Galileo E1/E5a/E5b/E6, GLONASS G1/G2/G3, BeiDou B1/B2
Polarization	Right Hand Circular Polarization (RHCP)
Envelope size (antenna + LNA block)	L 99 × W 99 × H 58 mm
LNA block gain	Typical 22 dB (lower bands) / 20.5 dB (upper bands)
Noise figure	Typical 1.8 dB

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



ANYWAVES

GNSS All-Bands Launcher Antenna

The Anywaves GNSS All-Bands Launcher Antenna is a TRL 8 navigation antenna specifically designed for launch vehicles, providing simultaneous multi-constellation GNSS reception from launch.

Frequency band	1.16 GHz to 1.61 GHz – GPS L1/L2/L5, Galileo E1/E5a/E5b/E6, GLONASS G1/G2/G3, BeiDou B1/B2
Polarization	Right Hand Circular Polarization (RHCP)
Envelope size	150 × 150 × 30 mm
Realized gain	> 0 dBi @ boresight > -2 dBi @ ±30° > -6 dBi @ ±60°
TRL	8

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



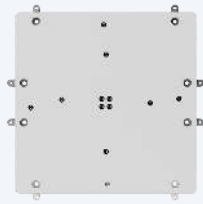
ANYWAVES

GNSS L1/E1 Bands Antenna

The Anywaves GNSS L1/E1 Bands Antenna is a TRL 8 navigation antenna for LEO satellites, designed for high-accuracy GPS L1 and Galileo E1 positioning with a compact footprint.

Model	ASA-052026
Frequency band	GPS L1 (1 563–1 587 MHz) Galileo E1 (1 575.42 MHz nominal)
Polarization	Right Hand Circular Polarization (RHCP)
Envelope size with connector	L 96.6 × W 96.6 × H 23.75 mm
Realized gain	> 6.5 dBi @ boresight > 4.5 @ ±30° > 0 dBi @ ±60°

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



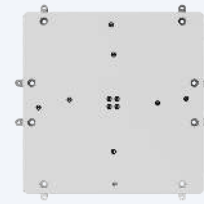
ANYWAVES

High Gain X-Band Payload Telemetry Antenna

The Anywaves High Gain X-Band Antenna delivers more than 20 dBi of realized gain at 8.2 GHz, enabling maximum data throughput for Earth observation and remote sensing missions.

Realized Gain	> 20 dBi
Configuration options	LHCP, RHCP
Frequency band	7.9 GHz to 8.5 GHz
Polarization	Left or Right Hand Circular Polarization
Envelope size without connector	L 200 × W 200 × H 16 mm

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



ANYWAVES

Ka-Band High-Gain Antenna

High-gain Ka-Band antenna enabling Gbps-class data downlink from small Earth observation satellites.

Frequency band	Ka-Band (26.5–40 GHz)
Gain	>30 dBi
Eirp	>40 dBW
Mass	<500 g

[price on request](#)



ANYWAVES

Low-Noise Block Downconverter 1–12 GHz – Space LNB

The Anywaves Low Noise Block Downconverter (LNB) is a compact, fully customisable RF front-end component for satellite and CubeSat communication systems, providing low-noise amplification.

Frequency coverage	1 GHz to 12 GHz (three sub-bands: 1–2 / 2–6 / 6–12 GHz)
RF architecture	Dual input RF, Dual output IF & common LO (Local Oscillator)
IF (Intermediate Frequency) bandwidth	Up to 400 MHz
Noise figure	Optimised per band (down to 1.2 dB)
Power consumption	≤ 5 W (dual-channel)

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



ANYWAVES

Quad-Ridged Horn Antenna

The Anywaves Quad-Ridged Horn Antenna is a custom-designed, full-metal wideband antenna for satellite payload applications requiring simultaneous coverage of a wide frequency range.

Frequency band	S to X band – S+C band version: ~2–6 GHz C+X band version: ~6–12 GHz (custom per project)
Polarization	Dual – linear and circular (simultaneous)
Realized gain	S+C band version: > 6 dBi at boresight (S- to C-band) C+X band version: > 8 dBi at boresight
Fractional bandwidth	Up to 100%
Radiation efficiency	> 90% (C+X band version, full-metal design)

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



ANYWAVES

Quadrifilar Helix Antenna

Anywaves Quadrifilar Helix Antennas are custom-designed payload antennas for LEO satellites requiring uniform coverage across their ground footprint, available in deployable and fixed versions.

Polarization	Single-circular polarization (LHCP or RHCP, custom)
Frequency range	UHF to C-band (custom – defined per project)
Radiation pattern	Isoflux – customised gain profile to your coverage requirements
Fractional bandwidth	~10% (per frequency version)
TRL	9

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



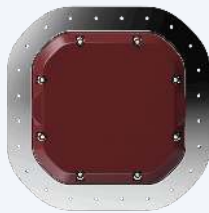
ANYWAVES

Reflectarray Antenna

The Reflectarray Antenna replicates the performance of a parabolic reflector using a series of flat, foldable panels engineered to reflect and phase-control RF waves, delivering high gain and efficiency.

Central frequency	X-band to Ka-band (scalable toward Q/V band)
Polarization	Dual-circular polarization (simultaneous LHCP and RHCP)
Realized gain	Up to 40 dBi (design target – optimised per project)
Fractional bandwidth	Up to 15%
Stowed dimensions	360 × 210 × 30 mm (compact stowed volume for launch)

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



ANYWAVES

S-Band Launcher Antenna

The Anywaves S-Band Launcher Antenna is a compact, TRL 8 antenna for telemetry, tracking and command (TT&C) on launch vehicles, designed to withstand the extreme thermal and mechanical environments of launch.

Frequency band	2.025 GHz to 2.29 GHz
Polarization	Left or Right Hand Circular Polarization
Envelope size	145 × 145 × 30 mm
Realized gain	> 6.0 dBi @ boresight > 2.0 dBi @ ±30° > -4.0 dBi @ ±60°
TRL	8

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



ANYWAVES

S-Band TT&C Antenna

The Anywaves S-Band TT&C Antenna is a flagship telemetry, tracking, and control antenna with strong flight heritage and TRL 9, perfectly suited for LEO platforms.

Frequency band	From 2.025 GHz to 2.29 GHz
Polarization	Left or Right Hand Circular Polarization
Envelope size without connector	L 84.3 × W 84.3 × H 12.1 mm³
Realized gain	> 6.5 dBi @ boresight > 4.5 dBi @ ± 30° > 0 dBi @ ± 60°
TRL	9

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



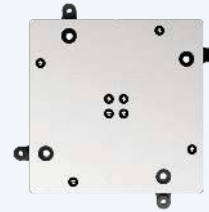
ANYWAVES

Slotted Waveguide Array Antenna

A custom-designed, high-gain flat antenna solution for satellite payload applications requiring gains above 20 dBi in the Ku or Ka band, built from a full-metal structure.

Frequency band	Ku band to Ka band (custom – defined per project)
Polarization	Left or Right Hand Circular Polarization (custom)
Realized gain	> 20 dBi (design target – optimised per project)
Fractional bandwidth	~5% (in circular polarization)
Profile thickness	< 10 mm (without connector)

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



ANYWAVES

Wide Beam X-Band Payload Telemetry Antenna

The Anywaves Wide Beam X-Band Antenna provides payload telemetry downlink across a wider field of view than the Compact X-Band Antenna, operating from 8.025 to 8.4 GHz with a Half

Frequency band	8.025 GHz to 8.4 GHz
Envelope size with connector	L 100 × W 100 × H 16.2 mm
Realized gain	> 5.0 dBi @ boresight, > 4.0 dBi @ ±30°, > -1.0 dBi @ ±60°
TRL	8
Mass with connector	67.5 g (±3 g)

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

Apogeo Space

ITALY · 2019 · 1 PRODUCT

Italian picosatellite manufacturer and IoT connectivity provider building 0.3U–6U CubeSat platforms and antennas for agricultural, industrial, maritime, and environmental monitoring applications.



APOGEO SPACE

Cu-Be Deployable Antenna Element

Patented a-magnetic Copper-Beryllium deployable antenna for CubeSats — rolls up for launch, self-deploys elastically in orbit, reduces magnetic disturbance. TRL 9. Customizable fre

Material	Copper-Beryllium (Cu-Be) a-magnetic alloy
TRL	9 (Flight proven)
Standard	CubeSat Specification
Deployment mechanism	Self-deploying (elastic energy, no springs required)
Frequency	Customizable based on mission requirements

[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
Gimbaled Deployable Ka-Band Antenna for CubeSats and SmallSats

Lightweight, foldable, flight-proven (TRL 9) gimbaled Ka-band deployable antenna for CubeSats and SmallSats in the 26.5–40 GHz range for space-to-ground, ISL, and data relay applic

Frequency band	Ka-band (26.5–40 GHz)
TRL	9 (flight-proven)
Completed missions	3 (ISS and nano-satellite)
Target platforms	CubeSats (6U+), SmallSats
Applications	Space-to-ground connectivity, ISL, data relay (LEO-MEO, LEO-GE0)

price on request

Deep-tech company building next-generation millimeter-wave wireless and satellite communications products, from E-band terrestrial backhaul to S-band through V/W-band space links.



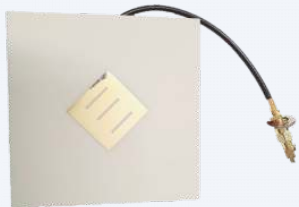
ASTROME TECHNOLOGIES
Astrome Technologies Product Portfolio

Astrome Technologies offers a comprehensive suite of next-generation wireless and satellite communication products, including patented flat-panel antennas, software-defined modems,

Frequency	S-band to V/W-band
Frequency (2)	E-Band
Frequency (3)	S, X and K-Band
Frequency (4)	S/Ka/V Band

price on request

Celestial Space Technologies designs high-performance, lightweight satellite antennas for small satellite missions, offering S-band and X-band patch antennas with low mass and broad view angles.



CELESTIAL SPACE TECHNOLOGIES

Satellite Antennas

Celestial Space Technologies offers high-performance, customizable satellite antennas designed for small satellites, available in two primary operating ranges: 2.05-2.30 GHz and 7.

Operating range	2.05 – 2.30 GHz
Mass	< 50gm
Gain	+7.5 dBi
View angle	Broad
Operating range (2)	7.00 – 8.50 GHz

price on request

celtonn

Celtonn designs and manufactures space-qualified RF components and custom RF solutions, including W-Band and D-Band hardware, from its facility in Dublin, Ireland.



CELTONN

Ka Band Analog Phase Shifters (16-22 GHz & 25.5-32.5 GHz)

Connectorized Ka-Band analog phase shifters with continuously variable phase control — over 350-400 degrees of phase range for beam steering and phased array calibration.

Frequency (variant 1)	16-22 GHz, >350° phase range
Frequency (variant 2)	25.5-32.5 GHz, >400° phase range

price on request

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



CESIUMASTRO

Vireo Ka 288

Vireo Ka 288 is CesiumAstro's TRL 8, multi-beam active phased array Ka-band communications payload for proliferated LEO satellite constellations, shipping today to Rocket Lab for S

Transmit frequency	20.2-21.2 GHz (Ka-band)
Receive frequency	30-31 GHz (Ka-band)
Channels	Up to 4 transmit, up to 4 receive
Polarization	RHCP or LHCP, switchable in orbit
Data throughput	800 Mbps

price on request

Compoxi is a Spanish composite design and manufacturing company delivering turnkey carbon-fiber and glass-fiber structures for space, aeronautics, and industrial applications, including satellite structures, radomes, antennas, and solar arr



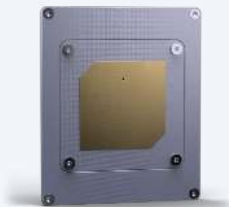
COMPOXI

CFRP Antennas for LEO Satellites

Carbon-fiber reinforced polymer (CFRP) antenna structures manufactured for LEO orbit satellites.

price on request

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

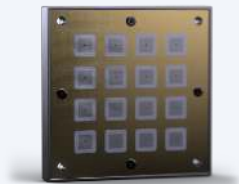


ENDUROSAT
GNSS Patch Antenna L1+L2+L5

A space-qualified GNSS patch antenna for secure navigation in space for CubeSats, NanoSats, and SmallSats.

Operating frequency	L1+L2+L5
Half power beam width (HPBW)	100-105 deg
Patch gain	2.4-4.1 dBi
Polarization	Right Hand Circular
Mass	38.5 g

price on request

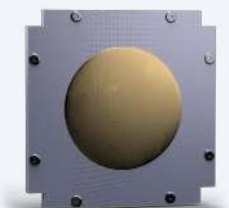


ENDUROSAT
K-BAND 4x4 PATCH ARRAY

The K-Band 4x4 Patch Array offers ultra high-speed K-Band communication capabilities for CubeSats and SmallSats, featuring industry-leading gain and a compact footprint.

Frequency range	17.7 - 20.2 GHz
Half power beam width (HPBW)	16 deg
Gain	18+ dBi over operational bandwidth
Polarization	Right Hand Circular
Mass	76 g

price on request

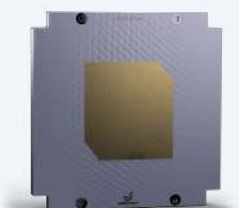


ENDUROSAT
S-Band Antenna Commercial

A flight-proven S-band patch antenna designed for high-speed communication in CubeSats and SmallSats, offering 20% higher gain than previous generations.

Frequency range	2025 - 2110 MHz
Half power beam width (HPBW)	70 deg
Gain	7+ dBi over operational bandwidth
Polarization	Selectable Circular
Mass	77.4 g

price on request

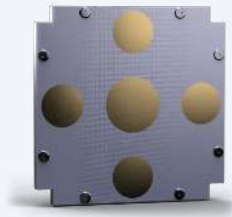


ENDUROSAT
S-Band Antenna ISM

A flight-proven S-band patch antenna designed for high-speed CubeSat communication, offering 30% higher gain than previous generations and circular polarization.

Frequency range	2400 - 2450 MHz
Half power beam width (HPBW)	71 deg
Gain	> 7.5 dBi
Polarization	Circular with selectable rotation direction
Mass	71 g

price on request



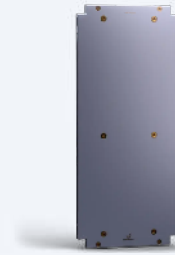
ENDUROSAT

S-BAND ANTENNA WIDEBAND

High-speed communication for CubeSats and SmallSats with a wide frequency range in S-band.

Frequency range	2025-2110 MHz and 2200-2290 MHz
Half power beam width (HPBW)	70 deg
Gain	5+ dBi
Polarization	Right-hand circular
Mass	96-115 g (configuration dependent)

price on request



ENDUROSAT

UHF ANTENNA 2U

A flight-proven deployable 2U UHF Antenna, fully compliant with the 6U CubeSat standard, providing reliable communication for CubeSats and SmallSats.

Amateur UHF frequency range	435-438 MHz
Commercial UHF frequency range	400-403 MHz
VHF frequency range	144-148 MHz
Type	Omnidirectional
Gain	> 0 dBi

price on request



ENDUROSAT

X-Band Patch Antenna

A space-qualified X-band patch antenna offering high-speed connectivity for CubeSats and SmallSats, with industry-leading gain at a 25% smaller footprint.

Frequency range	8025 - 8400 MHz
RF connector	SMP (SMA for 8x12 Array)
Mounting	X/Y or Z
Polarization	Circular with selectable rotation direction
RF power handling	up to 4 W

price on request

ETL Systems manufactures RF signal processing equipment for satellite communications, including RF distribution and Digital IF systems. They also provide end-to-end services such as system design, link optimisation, and network management.



ETL SYSTEMS
80W Ku-band SSPA

A super compact GaN-powered outdoor BUC/SSPA for Ku-band applications.

Input Frequency	850-3000 MHz (selectable in 1 KHz steps)
Output Frequency	850-3000 MHz (selectable in 1 KHz steps)
Instantaneous Bandwidth	Mode 1: 200 MHz, Mode 2: 400 MHz
Mean Conversion Gain	Max. 30 ± 2 dB / Min. 0 ± 2 dB
Gain steps	0.25 ± 0.15 dB

price on request [datasheet](#)



ETL SYSTEMS
Troposcatter

Troposcatter systems bypass the need for satellite links in areas where infrastructure is damaged or non-existent, facilitating secure, reliable communication links that overcome l

Output Power	20-1000W
High Power BUC/SSPA Output	500-1000W
High Power BUC/SSPA Weight	46KG
High Power BUC/SSPA Dimensions	52x46x27cms
NanoTropo Output Power	40 W

price on request [datasheet](#)

Ecuadorian civilian space agency and manufacturer of high-energy-density batteries, deployable solar arrays and CubeSat platforms.



EXA (ECUADORIAN SPACE AGENCY)
EXA GCA01 – Compact GNSS Active Patch Antenna

The EXA GCA01 is a one-stage, compact GNSS active patch antenna solution than works with your GNSS card and link it to GPS, GALILEO, BEIDOU and GLONASS constellations, It is the...

Manufacturer	EXA
Lead time	Immediately.

€1 700

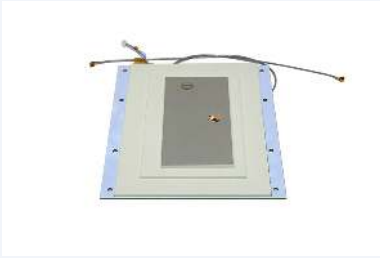


EXA (ECUADORIAN SPACE AGENCY)
EXA SSA01 – Wide Bandwidth S-band Patch Antenna

A wide bandwidth S-band patch antenna supporting up to 195 MHz of bandwidth, designed for missions requiring higher data speeds and flexible frequency selection.

Bandwidth	up to 195 MHz
Frequency range 1	2025–2120 MHz
Frequency range 2	2200–2300 MHz
Price	€2,200
Availability	immediately

€2 200



EXA (ECUADORIAN SPACE AGENCY)
EXA SSA02- 34dB Wide Bandwidth amplified S-band Patch Antenna

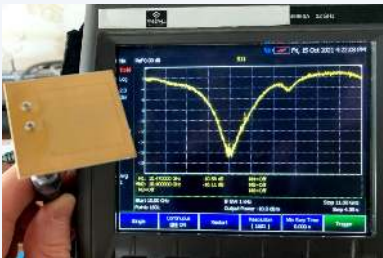
The EXA SSA02 is the power-amplified version of the SSA01 wide bandwidth S-band antenna than can accommodate a bandwidth of up to 195 MHz for missions that need greater speed...

Manufacturer	EXA
Lead time	immediately.
€9 400	

FreeFall Aerospace

UNITED STATES · 2 PRODUCTS

FreeFall Aerospace develops novel antenna systems for high gain communications and remote sensing for space and ground applications.



FREEFALL AEROSPACE
CatSat 10 GHz Patch Antenna

X-band patch antenna flown on NASA's CatSat CubeSat mission as the backup downlink solution.

Frequency	10 GHz (X-band); C-band beacon variant also flown
Type	Patch antenna
Application	Backup downlink on CatSat 6U CubeSat (NASA CSLI)
Flight heritage	Operational on CatSat since July 2024

price on request



FREEFALL AEROSPACE
Inflatable Antenna System

The Inflatable Antenna System is a patented, ultra-lightweight, and compact deployable high-gain antenna designed for efficient communications and remote sensing from space.

Reflector type	Spherical, inflatable membrane
Deployment	On-orbit inflation via flight-proven control systems
Applications	Defense, communications, deep-space science and exploration

price on request

Chinese satellite IoT operator (part of Geely Holding) building and operating the GEESATCOM low Earth orbit communication constellation and satellite terminal hardware.



GEESPACE

GA080L Geesatcom Satellite Antenna

The GA080L Geesatcom Satellite Antenna is a compact, linearly polarized rod-type antenna designed for GEESATCOM satellite communication, suitable for portable devices.

Supports	GEESATCOM satellite communication
Antenna type	Rod-type antenna with a compact and durable structure
Max. input-power restriction	5 W
Dimensions	Ø18 mm x 85 mm

price on request



GEESPACE

GM1003

GM1003 is a highly integrated, low-power satellite communication module that connects to the GEESATCOM satellite network, designed for rapid integration into automotive OEM product

Feature	Supports GEESATCOM satellite communication
Feature (2)	Meets automotive OEM requirements
Feature (3)	Supports active antennas for flexible antenna placement
Operating temperature	-40 to +85°C
Average power consumption	350 mW

price on request

Glavkosmos

RUSSIA · 1985 · 43 PRODUCTS

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



GLAVKOSMOS

Antenna AA2-KKS

Dual-band active GPS/GLONASS antenna module for fixed and portable navigation receivers.

Frequency range	1238–1257 MHz (GLONASS L1); 1571–1614 MHz (GPS L1)
Output vswr	1.7
Gain	33.0 dB
Lna noise figure	1.7 dB
Dimensions	80 × Ø120 mm

price on request



GLAVKOSMOS

Antenna ANT-406VA

Aircraft-mounted antenna for Cospas-Sarsat aviation radiobeacons, operating across the 121.45–406.1 MHz emergency beacon frequency bands via satellite navigation systems.

Purpose	As part of Cospas-Sarsat Aviation Radiobeacons. Work through space navigation systems (SNS)
Year of release	2011
Design life	3 years
Lead time	3 months

Flight qualification of the product **No**

price on request



GLAVKOSMOS

Antenna Array

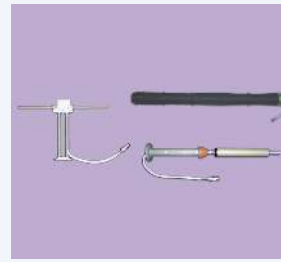
A flight-qualified on-board antenna array designed for forming required servicing areas and signal reception within P, L, and S frequency bands.

Flight qualification of the product **Yes**

Frequency band **P, L, S**

Radiator type **Helical, turnstile, log-periodic, whip, horn, etc.**

price on request



GLAVKOSMOS

Antenna-feeder Device (AFD) Ionosphere

The Antenna-feeder Device (AFD) Ionosphere is designed for transmitting radio signals from a spacecraft's onboard transmitter to ground receiving points and for emitting coherent r

Year of release **2010**

Design life **8 years**

Lead time **6 months**

Flight qualification of the product **No**

Brief history of flight qualification **Delivered for the Ionosphere spacecraft.**

price on request



GLAVKOSMOS

Antenna-feeder Device (AFD) MBITS-01

The Antenna-feeder Device (AFD) MBITS-01 is an onboard telemetry antenna system for spacecraft, featuring a hemispherical communication diagram and a weight of 2.5 kg.

Purpose **Designed to work as part of the onboard telemetry equipment of the spacecraft.**

Year of release **2005**

Design life **8 years**

Lead time **6 months**

Flight qualification of the product **Yes**

price on request



GLAVKOSMOS

Antenna-feeder Device 475-2

The Antenna-feeder Device 475-2 is designed for transmitting, receiving, and relaying signals for geostationary spacecraft, with flight heritage on the 'Electro' satellite.

Purpose **Designed for transmitting and receiving information, as well as relaying signals of the ge**

Year of release **1988**

Design life **7 years**

Lead time **12 months**

Flight qualification of the product **Yes**

price on request



GLAVKOSMOS

Antenna-feeder Device 77531

The Antenna-feeder Device 77531 is designed for on-board radio systems of the 'Meteor-M' spacecraft to transmit meteorological signals to an information receiving station.

Purpose	Designed to work as part of the on-board radio systems of the spacecraft "Meteor-M".
Year of release	2000
Design life	8 years
Lead time	6 months
Flight qualification of the product	Yes

price on request



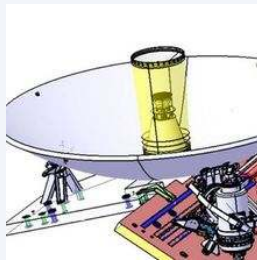
GLAVKOSMOS

Antenna-feeder Device BIS-MV

The Antenna-feeder Device BIS-MV is designed for on-board radio systems of spacecraft, enabling the transmission of low-resolution meteorological signals.

Purpose	Designed to work as part of the on-board radio systems of the spacecraft "Meteor-M".
Year of release	2000
Design life	8 years
Lead time	6 months
Flight qualification of the product	Yes

price on request



GLAVKOSMOS

Antenna-feeder Device of Wideband Communication System

Ku/Ka-band active relay AFD (13.5/15 GHz, 41 dBi gain, 55 kg, $\pm 180^\circ / \pm 120^\circ$ pointing) for ISS science-power module to ground station relay.

Purpose	Subscriber relay for wideband communication system between ISS science-power module and ground station.
Year of release	2014
Design life	10 years
Active lifetime	15 years
Lead time	20 months

price on request



GLAVKOSMOS

Antenna-feeder Device TKS

The Antenna-feeder Device TKS is designed for simultaneous reception and transmission of high-frequency radio signals in the 2 GHz range, with flight heritage on several spacecraft.

Purpose	Ensuring simultaneous reception and transmission of high-frequency radio signals located in the 2 GHz range.
Year of release	2011
Design life	8 years
Lead time	6 months
Flight qualification of the product	Yes

price on request



GLAVKOSMOS

Antenna-feeder Systems of the Spacecraft

Glavkosmos offers development, manufacturing, and testing services for spacecraft antenna-feeder systems, including radio engineering tests in anechoic chambers.

Purpose	Development, manufacture and testing of spacecraft antenna-feeder systems. Carrying out ra
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Flight qualification of the product	Yes
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Brief history of flight qualification	Vast work experience.
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Possibility to adapt the product to customer requirements	Yes
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price on request



GLAVKOSMOS

Branching Filter

The Branching Filter is an HF element of antenna feed systems designed to provide signal transmission within specified frequency bands and suppress signals outside those bands.

Swr in the frequency band 27000-27002 mhz	not exceeding 1.2 between outputs 1.2
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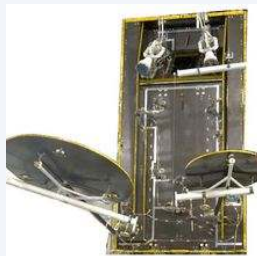
Swr in the frequency band 30000-30002 mhz	not exceeding 1.2 between outputs 1.3
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Swr in the frequency band 32508-32742 mhz	not exceeding 1.2 between outputs 1.4
---	---------------------------------------

Decay in the frequency band 27000-27002 mhz	not exceeding 0.8 dB outputs 2-1
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Decay in the frequency band 30000-30002 mhz	not exceeding 0.9 dB outputs 3-1
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price on request



GLAVKOSMOS

C-band Antenna which Forms Planimetric Directional Diagram

A C-band antenna designed for spacecraft, featuring reflectors with diameters of 1000 mm or 1600 mm, intended for forming a required servicing area and signal reception.

Purpose	Forming required servicing area; signal reception within the operating frequency band.
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Year of release	2012
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Design life	15 years
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Lead time	15 months
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Brief history of flight qualification	Antenna goes through flight operation unconditionally since the launch of the spacecraft.
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price on request



GLAVKOSMOS

C-band Band-pass Filter

A C-band band-pass filter designed to ensure signal transmission within a specific frequency band while suppressing signals outside of it, serving as an HF element in antenna feed

Swr within the operating frequency band	not exceeding 1.22 dB
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Decay	not exceeding 0.6 dB
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price on request



GLAVKOSMOS

C-band Global-beam Antenna

A C-band global-beam antenna designed for spacecraft to form a required servicing area and receive signals within the 3.5 – 3.7 GHz frequency band.

Purpose	Forming required servicing area; signal reception within the operating frequency band.
Flight qualification of the product	No
Frequency band	3.5 – 3.7 GHz
Absolute gain along the directional diagram axis	not less than 20.2 dB
Antenna material	polymeric composite material

price on request



GLAVKOSMOS

Cassegrainian Antenna

The Cassegrainian Antenna is an on-board, flight-qualified antenna designed for signal reception and forming a required servicing area within C, Ka, and Q frequency bands.

Purpose	Forming required servicing area; signal reception within the operating frequency band.
Flight qualification of the product	Yes
Possibility to adapt the product to customer requirements	Yes
Frequency band	S, Ka, Q
Antenna type	Cassegrain

price on request



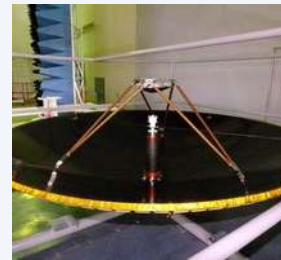
GLAVKOSMOS

Deployable Reflector of Antenna with 4.2 m Aperture Diameter

Large deployable mesh-type reflector antenna component, 4.2 m aperture, flight-qualified for spacecraft communications systems.

Reflector aperture diameter (deployed)	4200 mm
Maximum diameter (stowed)	1600 mm
Maximum height (stowed)	1800 mm
Surface form rms deviation	≤0.3 mm
Mass	≤33.5 kg

price on request



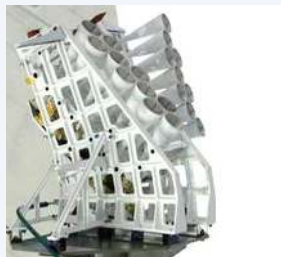
GLAVKOSMOS

Double-mirror Ka-band Parabolic Antenna

A flight-qualified double-mirror Ka-band parabolic antenna designed for signal radiation, forming required servicing areas, and polarization of radiated signals.

Purpose	Forming required servicing area; signal radiation within the operating frequency band; for
Flight qualification of the product	Yes
Frequency band	20 GHz
Reflector aperture diameter	1800 mm
Hyperbolical subdish diameter	140 mm

price on request



GLAVKOSMOS

Feed as a Component of the Ku-band Multiple-beam Antenna

This product is a feed component for a Ku-band multiple-beam antenna, featuring a 28-horn cluster with polarization selectors, diplexers, and load-bearing structures.

Frequency band	Ka
Components	28 horns cluster arranged by three zones (for each reflector)
Basic components of each horn	polarization selector, diplexer, hard and lightweight load-bearing structure with a temper
Feed assembly mass	13 kg
Year of release	2012

price on request



GLAVKOSMOS

Feed of the C-band Antenna which Forms Planimetric Directional Diagram

This product is a feed for a C-band antenna, designed for microwave signal reception and transmission with different linear polarization via two ports.

Lead time	12 months
Frequency band	S
Basic components	crimped horn, polarization device, load-bearing base
Mass	16 kg

price on request



GLAVKOSMOS

Feed of the Large Ku-band Antenna System which Forms Planimetric Directional Diagram

This product is a feed for a large Ku-band antenna system, designed for microwave signal reception and transmission with different linear polarization via two ports.

Frequency band	Ku
Basic components	crimped horn, polarization selector, diplexer, splitter
Mass	6 kg

price on request



GLAVKOSMOS

Flexible Waveguides of Flight Communication Equipment and Antenna Feed System

Flexible waveguides designed for flight communication equipment and antenna feed systems, providing signal transmission in various frequency bands.

Purpose	Providing signal transmission in the required frequency band.
Year of release	2016
Design life	15 years
Lead time	3 months
Frequency band	S, X, Ka, Ku, Q

price on request



GLAVKOSMOS

Helical-beam Antenna

A flight-qualified helical-beam antenna designed for on-board use, capable of forming required servicing areas and signal reception within P, L, and S frequency bands.

Flight qualification of the product	Yes
Possibility to adapt the product to customer requirements	Yes
Frequency band	P, L, S
Helix frame	conical, cylindrical, convertible
Frame material	Fiberglass plastic, organic plastic

price on request



GLAVKOSMOS

Horn Antenna

The Horn Antenna is an on-board antenna designed for forming a required servicing area and signal reception within C, Ku, and Ka frequency bands.

Frequency band	S, Ku, Ka
Horn form	Smooth conical, crimped, modified
Material	Aluminium, brass, carbon fiber-reinforced plastic
Overall dimensions (max)	Ø in the deployed position – 410 mm, length – 1100 mm

price on request



GLAVKOSMOS

Ka-band Antenna for the Locator Beacon Signal Transmission

This Ka-band antenna is designed for spacecraft, specifically for the transmission of locator beacon signals and signal reception within its operating frequency band.

Frequency band	Ka
Rms deviation of the reflector reflecting surface profile taking into account utilization factors	not exceeding 0.2 mm
Reflector aperture diameter	280 mm
Reflector and support material	high-modulus CFRP material
Antenna mass	1.3 kg

price on request



GLAVKOSMOS

Ka-band High-precision Antenna

A Ka-band high-precision antenna designed for spacecraft, featuring an 800mm reflector aperture and constructed from dimensionally stable high-modulus CFRP composite material.

Purpose	Forming required servicing area; signal reception within the operating frequency band.
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Frequency band	Ka/Q
Rms deviation of the reflector reflecting surface profile taking into account utilization factors	not exceeding 0.3 mm

price on request



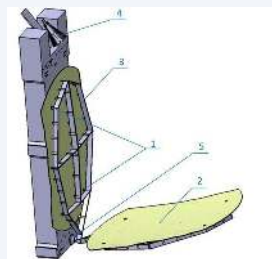
GLAVKOSMOS

Ku-band Multiple-beam Antenna

The Ku-band Multiple-beam Antenna is a spacecraft antenna designed to form a required servicing area and receive signals within its operating frequency band.

Purpose	Forming required servicing area; signal reception within the operating frequency band.
Year of release	2012
Design life	15 years
Lead time	15 months
Brief history of flight qualification	Antenna goes through flight operation unconditionally since the launch of the spacecraft.

price on request



GLAVKOSMOS

Large Ku-band Antenna System which Forms Planimetric Directional Diagram

A large Ku-band antenna system designed for spacecraft, capable of forming a planimetric directional diagram for signal radiation and reception, with a 15-year guaranteed service l

Purpose	Forming required servicing area; signal radiation within the operating frequency band 11.7
Year of release	2013
Design life	15 years
Lead time	15 months
Brief history of flight qualification	Antenna underwent ground testing stage (preliminary tests).

price on request



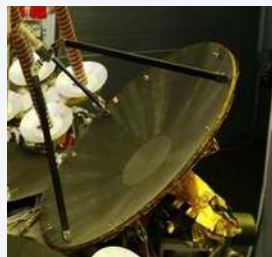
GLAVKOSMOS

Low Pass Filter

This Low Pass Filter is designed to transmit signals within a specified frequency band while suppressing signals outside of it, serving as an HF element for antenna feed systems.

Swr within the operating frequency band	not exceeding 1.15
Decay	not exceeding 0.15 dB

price on request



GLAVKOSMOS

Mirror Antenna

The Mirror Antenna is an on-board spacecraft antenna designed for forming required servicing areas and signal reception within C, Ku, and Ka frequency bands.

Purpose	Forming required servicing area; signal reception within the operating frequency band.
Flight qualification of the product	Yes
Possibility to adapt the product to customer requirements	Yes
Frequency band	S, Ku, Ka
Reflector	Offset reflector – paraboloid of rotation cut

price on request



GLAVKOSMOS

Mirror Antenna Reflector

A mirror antenna reflector designed for space applications, supporting C, Ku, Ka, and Q frequency bands, and constructed from carbon fiber-reinforced plastic, beryllium, or titanium

Frequency band	S, Ku, Ka, Q
Materials	Carbon fiber-reinforced plastic, beryllium, titanium
Reflective surface roughness	Ra 0.63 – 1.25
Forming mandrel material	Invar, composite forming mandrel
Coating	Multi-layer radar-reflective coating on the basis of aluminium, nichrome, aluminium oxide

price on request



GLAVKOSMOS

Multiple-beam Feed

A multiple-beam feed is a component of a mirror antenna designed to form a set of narrow beams for a specified servicing area, enhancing signal strength for subscribers.

Frequency band	Ka, Q
Materials	Aluminium, brass
Mechanical operation roughness of internal channels	Ra 0.63 – 1.25
Internal channels coating	Gold, silver
Number of radiators	up to 28

price on request



GLAVKOSMOS

Offset Mirror Antenna

An on-board spacecraft reflector antenna that forms the required service coverage area and receives signals within its operating frequency band.

Purpose	Forming required servicing area; signal reception within the operating frequency band
Year of release	2011
Design life	15 years
Lead time	15 months
Brief history of flight qualification	Antennas go through flight operation unconditionally since the launch of the spacecraft

price on request



GLAVKOSMOS

On-board High Precision Large Antenna for Deep Space Exploration

A large, high-precision antenna component designed for deep space exploration, featuring a 5-meter effective aperture and precise deployment repeatability.

Purpose	component of large antenna systems
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Effective aperture	D: 5+0.05 m
Opening in the central part of the reflector	0.45±0.02 m

price on request

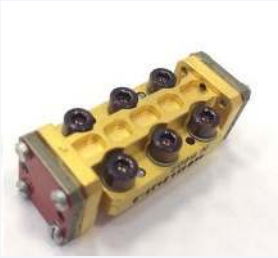


GLAVKOSMOS
P-band Global-beam Antenna

A P-band global-beam antenna designed for signal reception and forming a required servicing area, featuring four helical radiators made of polymeric composite material.

Purpose	Forming required servicing area; signal reception within the operating frequency band.
Flight qualification of the product	Yes
Possibility to adapt the product to customer requirements	Yes
Frequency band	401.5 – 406.1 MHz
Absolute gain in the servicing area	not less than 15 dB

price on request



GLAVKOSMOS
Q-band Band-pass Filter

The Q-band Band-pass Filter is designed to ensure signal transmission within a specific frequency band while suppressing signals outside of that operating band.

Swr within the operating frequency band	not exceeding 1.15
Decay	not exceeding 0.25 d

price on request



GLAVKOSMOS
Reflector as a Component of the Ku-band Multiple-beam Antenna

A reflector component for a Ku-band multiple-beam antenna, designed for spacecraft applications with a guaranteed service life of 15 years.

Purpose	Component of the Ku-band multiple-beam antenna.
Year of release	2012
Design life	15 years
Lead time	12 months
Brief history of flight qualification	As a component of antenna goes through flight operation unconditionally since the launch o

price on request



GLAVKOSMOS
Reflector of the C-band Antenna which Forms Planimetric Directional Diagram

A C-band antenna reflector designed to form a planimetric directional diagram, suitable for spacecraft applications.

Purpose	Component of the C-band antenna which forms planimetric directional diagram.
Year of release	2012
Design life	15 years
Lead time	12 months
Brief history of flight qualification	As a component of antenna goes through flight operation unconditionally since the launch o

price on request



GLAVKOSM05

Reflector of the Large Ku-band Antenna System which Forms Planimetric Directional Diagram

A reflector component for a large Ku-band antenna system designed to form a planimetric directional diagram, with a guaranteed service life of 15 years.

Purpose	Component of the large Ku-band antenna system with planimetric directional diagram.
Year of release	2013
Design life	15 years
Lead time	12 months
Brief history of flight qualification	As a component of antenna underwent ground testing stage (preliminary tests).

price on request



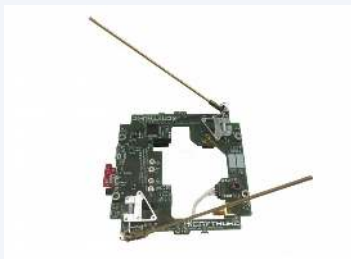
GLAVKOSM05

Single-beam Feed

The Single-beam Feed is a component of mirror antennas, designed to form a narrow field pattern and enable antenna repointing within a specified servicing area.

Frequency band	S, Ku, Ka, Q
Materials	Aluminium, brass, invar
Mechanical operation roughness of internal channels	Ra 0.63 – 1.25
Internal channels coating	Gold, silver
Feed designs	One-port and multi-port feeds; multi-band feeds; feeds - direction finders

price on request



GLAVKOSM05

UHF Antenna System with Service Panel

A UHF antenna system with an integrated service panel designed for CubeSats (1U, 2U, 3U, 6U) that provides RF signal conversion and a service interface for spacecraft.

Year of release	2018
Design life	1 years
Lead time	3 months
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSM05

Waveguides of Flight Communication Equipment and Antenna Feed System

These waveguides are designed for flight communication equipment and antenna feed systems, providing signal transmission in various frequency bands.

Purpose	Providing signal transmission in the required frequency band.
Year of release	2008
Design life	15 years
Lead time	1 months
Brief history of flight qualification	Loutch-5 spacecraft

price on request



GLAVKOSMOS
X-band Transmit/Receive Antenna

Mirror-type X-band antenna for spacecraft data transmission and reception with polarization selection.

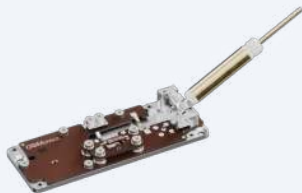
Frequency band	X-band
Gain	≥31.4 dB
Reflector/base material	Polymeric composite material
Reflector aperture diameter	600 mm
Surface profile rms deviation	≤0.4 mm

price on request

GomSpace

DENMARK · 2007 · 10 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

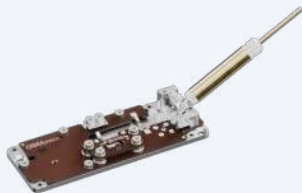


GOMSPACE
NanoCom AM2150-O MK2

The NanoCom AM2150-O MK2 is a passive, deployable S-band antenna designed to provide a near omni-directional radiation pattern for small satellite systems.

Frequency range	2025-2290 MHz
Matching	S11 < -10 dB
Circular polarized gain	> -12 dBi for >80% of directions
Abs gain	> -12 dBi for >95% of directions
Antenna mass (standalone)	< 30 grams

price on request [datasheet](#)



GOMSPACE
NanoCom AM2150-O MK2

The NanoCom AM2150-O MK2 is a passive S-band antenna solution designed for systems requiring near omni-directional radiation patterns.

price on request



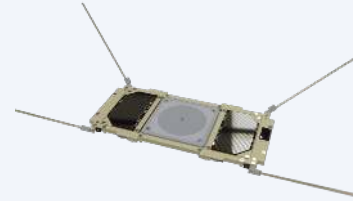
GOMSPACE

NanoCom AM2150-P/PS

The NanoCom AM2150-P/PS is a compact S-band antenna solution designed for systems requiring a near omni-directional radiation pattern and circular polarization.

Frequency Range	2025 – 2290 MHz
Radiation Pattern	Near omni-directional
Polarization	RHCP Circular
Matching	$ S_{11} < -10\text{dB}$
Antenna Gain (> 85% directions)	> -12 dBi

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



GOMSPACE

NanoCom ANT-6F

The NanoCom ANT-6F is a modular, deployable, omnidirectional, and canted turnstile antenna system designed for UHF band communication in 6U CubeSat applications, featuring rigid an

Structure compatibility	GomSpace 6U structures
Antenna type	Canted turnstile (omnidirectional)
PCB material	Glass-Polyimide
Impedance	50 Ω
UHF frequency options	400, 435, 470 MHz

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



GOMSPACE

NanoCom ANT1090-P

The NanoCom ANT1090-P is a compact patch antenna specifically designed for ADS-B signal reception, available in active and passive versions for integration with GomSpace SDR transc

Frequency	1090 MHz
Antenna type	Right-Hand Circular Polarization (RHCP)
Gain	4.5 dBi
Configurations	Active and Passive versions
PCB substrate	Rogers 4003C

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



GOMSPACE

NanoCom ANT2150 DUP and ANT2150 ISL

The NanoCom ANT2150 DUP and ANT2150 ISL are compact active S-Band antennas designed for integration with GomSpace SDR transceivers, featuring flexible mounting options.

Frequency range (DUP)	RX: 2025-2110 MHz; TX: 2200-2290 MHz
Frequency range (ISL)	2200-2290 MHz (Time Division Duplex)
Antenna gain	8 dBi
Polarization	Circular
Power input voltage	8-18 V

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



GOMSPACE

NanoCom Link IS1

The NanoCom Link IS1 is designed for seamless in-plane inter-satellite communication in the S-band, operating in the 2200–2290 MHz range using Time Division Duplex (TDD).

Frequency range	2200–2290 MHz
Modulation	S-Band TDD BPSK
Data rate	100 Kbit/sec
Time Slot combined duration	333 msec
Channel width	120 kHz

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



GOMSPACE

NanoCom Link S

The NanoCom Link S is an S-band transceiver for satellite missions, offering fast and reliable communication up to 7.5 Mbps with built-in encryption and key management.

Full duplex continuous mode	Up to 7.5 Mbit/sec (CCSDS 131.0-B-4)
Modulation	BPSK and QPSK, symbol rates 0.5-7.5 MBd
Coding	Rate 1/2 Convolutional with Reed Solomon (255,223)
Output power	Up to 32 dBm (adjustable)
Antenna transmit frequency	2200-2290 MHz

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



GOMSPACE

NanoCom Link X

The NanoCom Link X is a DVB-S2 compatible X-band transmitter for satellites, offering data rates up to 210Mbps and featuring an integrated X-band antenna and front end.

Configurable raw transmit rate	Up to 210 Mbps
Compliance	DVB-S2 compliant
RF output power	Up to 33 dBm (31 dBm with DSN filter)
Security	AES-256-GCM encryption, CCSDS-aligned key management, replay detection
Antenna frequency	8000-8500 MHz

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



GOMSPACE

NanoUtil FPP Top GSSB

The NanoUtil Top GSSB is an antenna release and interface system primarily designed for use in 1U CubeSats.

Supply voltage	3.3 V
Operating temperature	-60 °C
Mass	37 g
Dimensions	Fits standard PC104 mm
Storage Temperature	-65 °C to 120 °C

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

GoSAT Africa

UNITED KINGDOM · 2012 · 1 PRODUCT

Satellite internet service provider offering high-speed VSAT connectivity across Francophone Africa via Eutelsat/Konnect network.



GOSAT AFRICA
GoSAT Satellite Internet Service — Africa

High-speed VSAT satellite internet for residential and professional customers across Francophone Africa via Eutelsat/Konnect.

Technology	VSAT via Eutelsat Konnect satellite
Coverage	Francophone Africa (Cameroon, Ivory Coast, Equatorial Guinea, Chad, Gabon, and partners)
Residential package speeds	5–20 Mbps download / 3–5 Mbps upload
Professional package speeds	20 Mbps download / 5 Mbps upload
Data range	10 GB to 500 GB per month

price on request

Guodian Gaoke (Tianqi Satellite)

CHINA · 2015 · 1 PRODUCT

Guodian Gaoke designs, develops, and operates the Tianqi Constellation, China's first low-Earth orbit satellite IoT network, providing global communication services for various industries and consumer



GUODIAN GAOKE (TIANQI SATELLITE)
240-GM13 Communication Module

The 240-GM13 module is a dedicated satellite IoT communication module that supports short message communication with the in-orbit Tianqi constellation. It integrates low-power algo

Operating voltage	3.3–5.3 V
Initial frequency offset	-5~+5KHz
Transmit duty cycle	50%, max continuous transmission 10 s
Transmit band	240–243 MHz, set by channel plan (no user action)
Receive band	318-320 MHz

price on request

Haigh-Farr designs, manufactures, and tests conformal and non-conformal antennas for high-performance aerospace vehicles.



HAIGH FARR
Wraparound™ Antennas

Haigh-Farr Wraparound™ Antennas are conformal, omnidirectional antennas designed for a wide range of applications from 300 MHz to 13 GHz, including flight termination, GPS, telemet

Frequency range	300 MHz to 13 GHz
Coverage	Omnidirectional: full spherical coverage
Design	Multi-channel designs
Feed	Single point feed
External components	No external dividers and cables required

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

Hanwha Phasor

UK flat panel phased array satellite antenna company (Hanwha Systems subsidiary); electronically steerable antennas for aviation IFC, maritime VSAT, and land mobile satellite services.



HANWHA PHASOR
APEX Electronically Steered Antenna

APEX is Hanwha Phasor's flat-panel, electronically steered antenna for mobile satellite connectivity, using low-cost silicon RFIC technology to deliver multi-orbit LEO/MEO/GEO trac

Antenna type	Flat-panel electronically steered antenna (ESA), phased array
Core technology	Proprietary silicon RFIC (radio frequency integrated circuit)
Moving parts	None - fully electronic beam steering
Orbit compatibility	Multi-orbit: LEO, MEO, and GEO satellite tracking and

handoff

Target platforms

Aviation, maritime, rail,
land vehicles

price on request

Helical Communication Technologies (HCT)

UNITED STATES · 3 PRODUCTS

US manufacturer of deployable helical and quadrifilar antennas for CubeSats and smallsats, including the Helios family.



HELICAL COMMUNICATION TECHNOLOGIES (HCT)

Helios deployable antenna

The Helios Deployable Antenna can be customized to operate from 400Mhz to 3000Mhz. The HCT Helios series of antennas can accommodate several operational purposes from near...

Manufacturer

HCT

Lead time

90 days

price on request



HELICAL COMMUNICATION TECHNOLOGIES (HCT)

Multi-Band Antenna

An omni-directional, patent-pending multi-band IoT antenna series covering 100-3000MHz, sized to fit within a 6U satellite chassis and used for satellite and ground-based tracking

Frequency range

100-3000 MHz

Coverage pattern

Omni-directional, hemispheric
communications coverage

Elevation coverage

Down to -5 degrees below the
horizon

Configuration options

Nested or linear, holding
multiple frequency antennas
within the same housing

Storage compatibility

Can be stored into a 6U
satellite chassis

price on request



HELICAL COMMUNICATION TECHNOLOGIES (HCT)

QHA Deployable Antenna

Deployable Quadrifilar Helical Antenna for LEO small satellites, stowable in 1U-12U modules, covering 350 MHz to 3 GHz with patent-pending deployment mechanism.

Antenna type	Quadrifilar Helical Antenna (QHA), deployable
Frequency range	350 MHz - 3 GHz
Polarization	Circular
Standard gain	~3 dBi (near-hemispheric)
High-gain variant	Up to 12 dBi (deep space applications)

price on request

HPS High Performance Space Structure Systems

1 PRODUCT

HPS designs, manufactures, and integrates mechanical/thermal space subsystems, including antennas, deployable structures, thermal insulation, and equipment for nanosatellites.



HPS HIGH PERFORMANCE SPACE STRUCTURE SYSTEMS

UDAN Deployable UHF-Helix Antenna

Compact deployable UHF antenna delivering 10-dBi-class gain for CubeSats — stows in 1U, deploys to 50cm height, ESA/DLR-backed development.

Stowed size	1U cube, <0.3 kg (antenna only)
Frequency	Scalable 300 MHz-1 GHz (baseline 400-460 MHz)
Peak gain	>10 dBi
Design life	5 years
Deployed size	50 cm height x 90 cm diameter

price on request

IMT (Ingegneria Marketing Technologies)

1991 · 1 PRODUCT

IMT designs and develops Nano/Micro-satellites and on-board units for commercial, scientific, and defense applications, and provides EEE parts engineering.



IMT (INGEGNERIA MARKETING TECHNOLOGIES)

C-Band Transponder

A CubeSat-compliant C-band transponder from IMT that provides both TT&C and payload data communication in a new frequency band for nanosatellites.

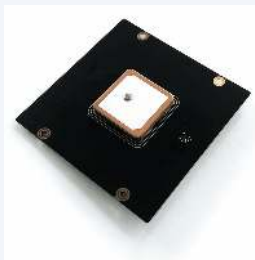
Design lifetime	3 years
Frequency bands (Uplink)	5091 MHz - 5150 MHz
Frequency bands (Downlink)	4500 MHz - 4800 MHz
Volume	< 0,4U
Dimensions	90 x 96 x 40 mm

price on request

Innovative Space Logistics

NETHERLANDS · 2006 · 5 PRODUCTS

ISISPACE provides launch services, manufactures CubeSat deployers and other launch equipment, and acts as a satellite systems integrator for small satellites.



INNOVATIVE SPACE LOGISTICS

ISISPACE GNSS Patch Antenna

The ISISPACE GNSS Patch Antenna is a compact, low-mass, and flight-proven antenna designed for GPS-L1 and GALILEO-E1, offering pinpoint positioning for CubeSats.

Mass	< 20 g
Dimensions	58 x 58 x 9.7 mm
Operating temperature	-20°C to +60°C
Frequency Range	1572 – 1578 MHz
Signal Gain	34.5 dB

price on request [datasheet](#)



INNOVATIVE SPACE LOGISTICS

S-Band Patch Antenna

The ISISPACE S-Band Patch Antenna is a lightweight, compact passive antenna designed for CubeSat platforms, operating in the commercial S-band range for telemetry and payload data

Mass	<60 g
Dimensions	Diameter: 80 mm
Dimensions (without connector)	Height (without connector): 5.0 mm
Dimensions (straight)	Connector height (straight): 9.5 mm
Operating temperature	-20 to +50 °C

price on request



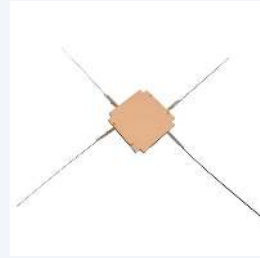
INNOVATIVE SPACE LOGISTICS

S-band TMTC antenna

The ISISPACE S-band TMTC antenna is a lightweight, compact passive antenna designed for commercial S-band uplink and downlink on CubeSat platforms, offering superior RF performance

Mass	<60 g
Dimensions	Diameter: 78 mm Height (with connector): 16.0 mm
Operating temperature	-20 to +60°C
Frequency	2025-2110 MHz and 2200-2290 MHz
Gain in Boresight (centre frequency)	>6 dBic

price on request



INNOVATIVE SPACE LOGISTICS

VHF/UHF antenna for 1U-3U

The ISISPACE VHF/UHF antenna is a flexible and reliable communication solution for 1U-3U CubeSat missions, featuring up to four 55 cm tape spring antennas and a redundant system.

Mass	< 90 g
Dimensions	98 x 98 x 7 mm
Power	< 40 mW
Supply voltage	3V3 model
Power (2)	< 60 mW

price on request



INNOVATIVE SPACE LOGISTICS

VHF/UHF Antenna for 6U+

The ISISPACE VHF/UHF Antenna for 6U+ is a customizable antenna solution for CubeSats (6U and larger) and Microsats, offering various configurations and covering a wide range of VHF

Mass	90-115 g
Envelope stowed (L x W)	98x98 mm
Power consumption Nominal	80 mW
Power consumption During deployment	< 2.3 W
Operating temperature	-20°C to +80°C

price on request

IQ Spacecom designs and manufactures high-performance radio communication solutions, including SDR transceivers, antennas, and space switches, for small satellites and ground equipment.

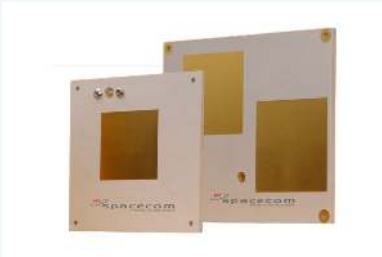


IQ SPACECOM
Patch Antennas

Flight-proven, customizable patch antennas for CubeSat and small satellite Rx/Tx radio links, available in S-Band, X-Band and L-Band configurations.

Flight heritage / maturity	Flight proven design (TRL 9)
Polarization	Circular polarization (RHCP & LHCP)
Design	Exceptionally flat and robust, ultra-small shape integrating with CubeSat outer structure
Variants	Single patch antennas, Dual patch antennas, High gain antennas
Frequency bands	S-Band, S-Band High Gain, X-Band, X-Band High Gain, L-Band

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



IQ SPACECOM
S-Band Patch Antenna RHCP for HISPICO

This is an S-Band patch antenna with Right-Hand Circular Polarization (RHCP) specifically designed for the HISPICO S-Band transmitter system.

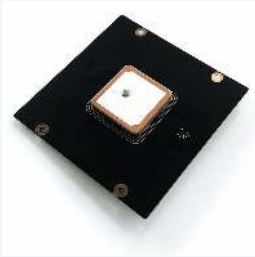
Manufacturer	IQ Spacecom
Lead time	4 months

[price on request](#)

ISISPACE Group

NETHERLANDS · 2006 · 7 PRODUCTS

CubeSat deployers, antennas, EPS and small-satellite systems.



ISISPACE GROUP
GNSS Active Patch Antenna

Compact, flight-proven active GNSS patch antenna for GPS-L1 / GALILEO-E1 positioning on CubeSats, mounted on Rogers PCB for minimal RF losses.

Mass	< 20 g
Dimensions	58 x 58 x 9.7 mm
Operating temperature	-20°C to +60°C
Frequency range	1572 – 1578 MHz (GPS L1 / GALILEO E1)



ISISPACE GROUP
ISISPACE Antenna – VHF/UHF Deployable 6U/12U

A deployable VHF/UHF antenna system for 6U and 12U CubeSats, offering various RF configurations and a dual-redundant deployment mechanism.

Manufacturer	ISISPACE
price on request	

Signal gain (active circuitry) 34.5 dB

price on request



ISISPACE GROUP

S-Band Patch Antenna

Passive RHCP S-Band patch antenna for 2200–2290 MHz downlink on CubeSats, 6.5 dBic gain, <60 g, flight heritage since 2021.

Mass < 60 g

Dimensions Diameter: 80 mm; Height (without connector): 5.0 mm; Connector height (straight): 9 mm

Operating temperature -20 to +50°C

Frequency range 2200–2290 MHz

Gain in boresight (centre frequency) 6.5 dBic

price on request



ISISPACE GROUP

S-Band TMTC Antenna

Passive RHCP S-Band patch antenna covering both uplink (2025–2110 MHz) and downlink (2200–2290 MHz) for CubeSat TT&C.

Mass < 60 g

Dimensions Diameter: 78 mm; Height with connector: 16.0 mm

Operating temperature -20 to +60°C

Frequency range 2025–2110 MHz (uplink) and 2200–2290 MHz (downlink)

Gain in boresight (centre frequency) > 6 dBic

price on request



ISISPACE GROUP

VHF/UHF Antenna for 6U+

The ISISPACE VHF/UHF Antenna for 6U+ offers reliable and customizable antenna solutions for CubeSats models from 6U and up, with versatile configurations and proven flight heritage

Mass 90-115 g (customisable)

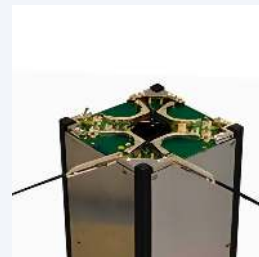
Envelope stowed (L x W x H) 98x98 mm (height depends on configuration)

Power consumption nominal 80 mW

Power consumption during deployment < 2.3 W

Electrical interface Miniature 9 pin OMNETICS connector

price on request



ISISPACE GROUP

VHF/UHF Antenna System 1

Deployable VHF/UHF antenna system for 1U–3U CubeSats with up to 4 tape-spring antennas, redundant thermal knife deployment, and I2C interface.

Mass < 90 g

Envelope stowed (L x W x H) 98 x 98 x 7 mm (including aluminium cover plate)

Power consumption — nominal (3V3 model) < 40 mW

Power consumption — nominal (5V model) < 60 mW

Interfaces Electrical: Miniature 9-pin OMNETICS connector; Data: I2C

price on request



ISISPACE GROUP
VHF/UHF Antenna System 2

Customizable deployable VHF/UHF antenna for 6U+ CubeSats and microsatellites in monopole, dipole, or turnstile configurations, flight heritage since 2020.

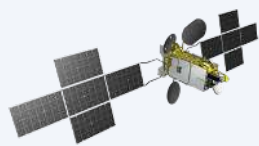
Mass	90–115 g (configuration-dependent)
Envelope stowed (L x W x H)	98 x 98 mm (height depends on configuration)
Power consumption — nominal	80 mW
Power consumption — during deployment	< 2.3 W
Interfaces	Electrical: Miniature 9-pin OMNETICS connector; Data: I2C; RF: MMCX female

price on request

ISS Reshetnev

RUSSIA · 1959 · 1 PRODUCT

Russian satellite manufacturer in Zheleznogorsk, Siberia; GLONASS-K/M navigation, Express GEO comms, Luch data relay, and Yamal satellites; 1,400+ spacecraft built.



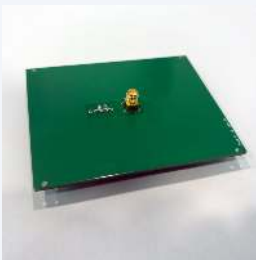
ISS RESHETNEV
Yamal-401

Yamal-401 is a communication satellite built on the Express-2000 heavy bus, providing communication, television broadcasting, and data transmission throughout Russia.

Bus	Express-2000
ADCS type	active
EPS power	16800 W
Mass	2976 kg
Lifetime	14 years

price on request

South Korean nanosatellite manufacturer offering CubeSat platforms, optical imagers, star trackers, solar panels, EPS, structures, and deployers for the commercial small satellite market.



KAIRO SPACE

KSPA-U UHF/VHF Patch Antenna

Miniature UHF/VHF patch antenna for CubeSat telemetry, tracking, and command communication links.

Type	Patch antenna
Bands	UHF (435–438 MHz), VHF (144–146 MHz)
Form factor	Body-mounted, no deployment mechanism
Application	TT&C link for CubeSat TM/TC

price on request

KRYTAR designs and manufactures ultra-broadband microwave, mmWave, and RF components and test equipment for commercial and military applications, covering DC to 110 GHz.



KRYTAR

3 dB, 90-Degree Hybrid Coupler, Model 1831

The KRYTAR Model 1831 is a 3 dB, 90-degree hybrid coupler offering versatile signal splitting and combining from 1.0 to 18.0 GHz, suitable for various commercial and military appli

Frequency range	1.0 to 18.0 GHz
Coupling	3 dB
Amplitude imbalance	±0.5 dB
Phase imbalance	±10 degrees
Isolation	>17 dB

price on request

datasheet



KRYTAR

KRYTAR 4x4 Butler Matrix Model KBM9010180

The KRYTAR 4x4 Butler Matrix Model KBM9010180 is a high-performance beamforming network operating from 1.0 to 18.0 GHz, designed to control the direction of radio transmission beam

Frequency range	1.0 to 18.0 GHz
Maximum amplitude imbalance	±1.0 dB
Maximum phase imbalance	±18 degrees
Insertion loss	< 12 dB
Maximum input and output vswr	1.7:1 dB

price on request

datasheet

L.Garde designs, develops, and manufactures inflatable and deployable structures for space and terrestrial applications, including solar sails and advanced observation structures.



L.GARDE INC
L.Garde Deployable Antennas

L.Garde Deployable Antennas are high-packaging-efficiency structures designed for space applications, capable of deploying large apertures from small volumes.

Flight heritage	STS-77 (Inflatable Antenna Experiment - IAE)
Iae dish diameter	14 meters
Iae strut length	33 meters

price on request

Ligado Networks

US satellite communications company holding L-band spectrum licenses to power next-generation IoT, critical infrastructure, and mobile broadband connectivity services.



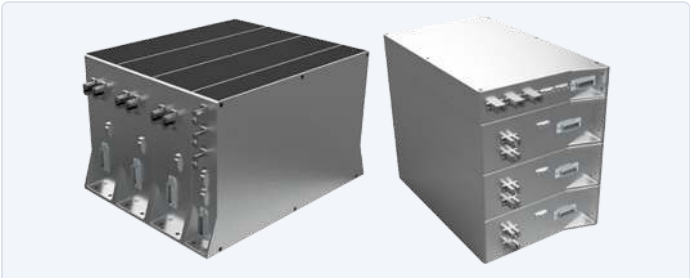
LIGADO NETWORKS
SkyTerra-1 Direct-to-Device Network

Geostationary satellite platform enabling direct-to-device connectivity for consumer devices — 22-meter reflector antenna, MSS L-band, multi-orbit partnership with AST SpaceMobile.

Antenna	22-meter reflector
Frequency band	MSS L-band, 1.5/1.6 GHz
Orbit	Geostationary (GSO); multi-orbit partnership with NGS0/LE0
Architecture	Bent-pipe
Standards	3GPP Release 17 NTN band

price on request

Ireland's largest photonics company, building end-to-end optical communication systems for space connectivity.



MBRYONICS

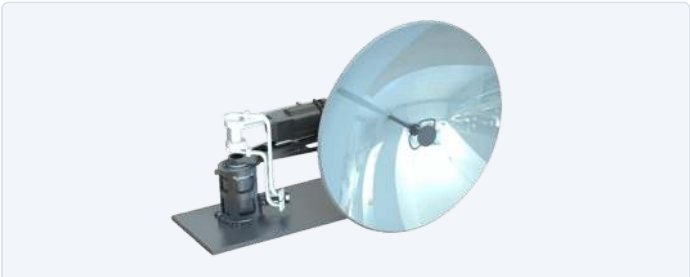
StarLight Modem, Amplifiers and Antenna Control Unit

The StarLight is an optical modem that supports various data modulation formats within the 1550nm (ITU C-band) range, compatible with SDA 3.1 and IEEE803.2 Ethernet standards for o

Operating wavelength	1550 nm (ITU C-band)
Compatibility	SDA 3.1 and IEEE803.2 Ethernet standards
Modulation schemes	Polarization modulation, On-Off Keying (OOK), coherent modulation
Integrated modem and acu mass	< 3.5 kg
Modem + acu + booster + Ina mass	< 4 kg

price on request

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



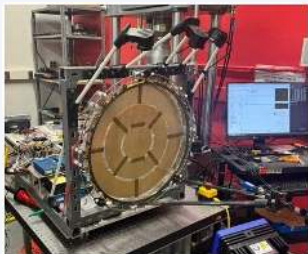
MINOSPACE

Payload Antenna System

A payload antenna system designed for inter-satellite laser links, user beams, and gateway stations, providing uplink and downlink channels for telemetry, tracking, and control (TT

price on request

Developer of electrostatically-actuated, dynamically reshapable mesh reflector antennas for adaptive satellite communications and in-space radar.



MITHRIL TECHNOLOGIES
Reshapable Mesh Reflector Antenna

An electrostatically-actuated deployable mesh reflector antenna whose surface shape can be reconfigured on-orbit for adaptive radar and SATCOM applications.

Dimensions	1-meter
price on request	

MMA Design

1 PRODUCT

MMA Design manufactures deployable solutions for space and terrestrial missions, including de-orbit systems and solar arrays, and is headquartered in Broomfield, Colorado.



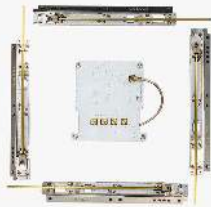
MMA DESIGN
Dual Band Helical Antenna

Nested UHF membrane antenna covering two frequency bands (400-600 MHz and 800-1000 MHz) with an 8:1 compaction ratio — qualified to TRL 8 with a mission scheduled.

Frequency (low band)	400–600 MHz
Frequency (high band)	800–1000 MHz
Gain	≥10 dBic
Axial ratio	<3 dB
Beam width	≥20°

price on request

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



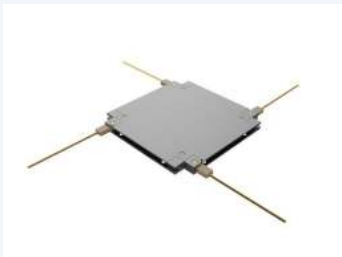
NANOAVIONICS
CubeSat & SmallSat UHF Antenna System

UHF turnstile antenna system for CubeSat and SmallSat, covering 400–500 MHz with circular polarization and near-omnidirectional radiation pattern.

Antenna type	Turnstile / Quad-Monopole
Polarization	Circular
Frequency range	400 MHz to 500 MHz
RF impedance	50 Ohm
RF input connector	MCX (50 Ohm)

from €5 300

Thai CubeSat subsystems manufacturer and satellite solutions provider.

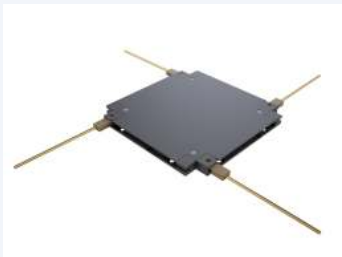


NBSPACE
S-band Patch Antenna

S-band patch antenna from NBSpace's Antenna System line, providing lightweight, compact RF connectivity for small satellite uplink/downlink.

Product family	Antenna System (deployable antennas)
Band	S-band
Design	Lightweight and compact patch antenna structure
Typical use	Data transmission, remote sensing, telemetry uplink/downlink

price on request



NBSPACE
X-band Patch Antenna

X-band patch antenna from NBSpace's Antenna System line, providing lightweight, compact RF connectivity for high-rate small satellite downlink.

Product family	Antenna System (deployable antennas)
Band	X-band
Design	Lightweight and compact patch antenna structure
Typical use	High-rate data transmission, remote sensing downlink

price on request

NearSpace Launch designs and manufactures CubeSat systems, subsystems, and satellite communication hardware, serving government agencies, commercial, and academic customers.



NEARSPACE LAUNCH

NSL EyeStar S4

The NSL EyeStar S4 is a compact, low-power satellite communication module for CubeSats, offering 24/7 pole-to-pole connectivity and half-duplex commanding via the Iridium network.

Flight heritage	since 2015
Dimensions	60x30x21 mm
Mass	29 g
Tx power	1.0 W
Idle power	0.25 W

price on request

NewSpace Systems (NSS)

NewSpace Systems (NSS) manufactures spacecraft components and sub-systems, focusing on Guidance, Navigation, and Control (GNC) products for commercial spacecraft manufacturers globally.



NEWSPACE SYSTEMS (NSS)

RF Antennas (LYRA range)

NewSpace Systems offers a range of high-reliability S-band and Ka-band antennas from their LYRA range, designed for robust communication and data transmission in satellite and aero

S-band air gap - frequency	2200 MHz to 2290 MHz
S-band air gap - return loss	<-10 dB
S-band air gap - gain	≥ 7 dB
S-band air gap - half-power beamwidth (HPBW)	70°
S-band air gap - polarization	RHCP or LHCP preconfigurable

price on request

[datasheet](#)

Israeli satellite antenna technology company developing advanced phased array and reflector antenna systems for satellite communications and direct-to-device connectivity.



NEXTENNA	
NexTenna S — Steerable Antenna for Space Segment	
Ultra-thin, low-weight electronically steerable directional reflector antenna (DRA) for space segment applications, enabling high-gain satellite-to-satellite or satellite-to-ground	
Technology	Zero-power field-effect phase shifter DRA
Steering	Electronically steered – no gimbal or moving parts
Key properties	Ultra-thin, low power, low weight
Applications	Space segment – satellite-to-ground, inter-satellite links
Target platforms	SmallSats, CubeSats

price on request

Nigerian Communications Satellite Limited (NIGCOMSAT) is Nigeria's national satellite communications operator, providing broadcasting, transponder leasing, broadband, navigation and value-added satellite services across Africa, Europe and A



NIGCOMSAT	
Transponder Leasing on NigComSat-1R	
NIGCOMSAT LTD offers transponder leasing services on its NigComSat-1R satellite, providing Ku-band, C-band, and Ka-band capacity for various communication needs across Africa, Euro	
Satellite name	NigComSat-1R
Total transponders	28
Total antennas	7
KU-band transponders	14
KU-band transponder bandwidth	31.5 MHz each

price on request

Northrop Grumman Space Systems

UNITED STATES · 1939 · 1 PRODUCT

Minotaur family, Pegasus XL, Antares (legacy); MLV co-development with Firefly.



NORTHROP GRUMMAN SPACE SYSTEMS

AstroMesh Unfurlable Mesh Antenna Reflector

Large-aperture deployable mesh reflector antenna, scalable from 3 to 22 meters, with over 150 years of collective on-orbit success across UHF-to-Ka-band missions.

Aperture range	3 to 22 meters
Frequency coverage	UHF through beyond Ka-band (V-Band)
Am-1 class	Scalable 6-22 meters, extensive flight heritage
Am-2 class	Optimized 18+ meters, 40% reduced stowed height vs AM-1
Am-lite class	Optimized 3-8 meters, 50% mass reduction vs AM-1

price on request [datasheet](#)

NSLComm (BeetleSat)

ISRAEL · 2 PRODUCTS

Israeli satellite communications company developing BeetleSat, a flat-panel deployable antenna satellite constellation providing broadband connectivity for mobility and remote applications.



NSLCOMM (BEETLESAT)

BeamBox Expandable Antenna Communication Payload

High-bandwidth communication payload for nanosatellites using NSLComm's proprietary expandable antenna — first expandable antenna successfully deployed and operated on a LEO satell

Platform	Nanosatellites (LEO)
Antenna type	Proprietary deployable/expandable antenna
Key achievement	World-first expandable antenna deployment and two-



NSLCOMM (BEETLESAT)

BeetleSat Expandable Ka-band Parabolic Antenna

BeetleSat's 60 cm deployable Ka-band parabolic antenna stows into 2U of a 6U CubeSat and deploys in orbit via shape-memory polymer — achieving up to 2 Gbps throughput; first-ever i

Antenna type	Ka-band deployable parabolic reflector
Deployed aperture	60 cm
Stowed volume	2U (within a 6U CubeSat)
Mass	~140 g (antenna assembly)

	way comms on LEO nanosatellite	Material	Proprietary lightweight shape-memory polymer
Applications	SATCOM IoT, digital agriculture, maritime, remote asset monitoring	price on request	
Company location	Airport City, Israel		
	price on request		

NuSpace Pte Ltd
SINGAPORE · 2018 · 1 PRODUCT

Singaporean satellite IoT company building nanosatellites and ground systems to enable global IoT connectivity from low Earth orbit.



NUSPACE PTE LTD

NuLink — LEO LoRaWAN IoT Satellite Constellation

NuSpace's NuLink is a LoRaWAN LEO IoT satellite constellation (NuLink-1/2 operational since May 2026, ~597 km SSO) enabling direct sensor-to-satellite IoT for GPS trackers, carbon

Protocol

LoRaWAN (direct sensor-to-satellite, no gateway required)

Constellation

NuLink-1 & NuLink-2 operational; 70+ satellites planned

Orbit

Sun-synchronous, ~597 km, 97.7° inclination

Launch

May 3, 2026 – SpaceX Falcon 9, Vandenberg AFB

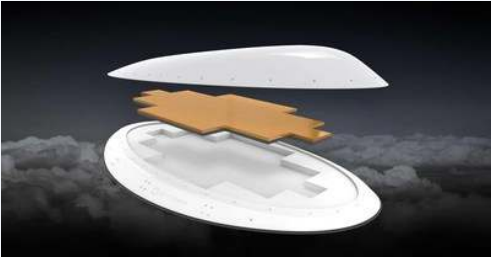
Antenna

3D-printed space-grade PEEK – 29 parts consolidated to 11 (~300% cost reduction)

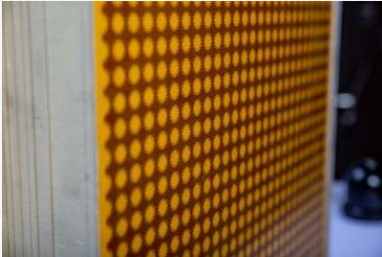
price on request

NXT Communications (NXTCOMM)
UNITED STATES · 2017 · 2 PRODUCTS

NXT Communications Corporation (NXTCOMM) designs and manufactures low-cost, electronically steered flat-panel satellite antennas and delivers managed broadband connectivity services for aviation, maritime, land-mobile and defense markets.



NXT COMMUNICATIONS (NXTCOMM)



NXT COMMUNICATIONS (NXTCOMM)

AeroMax Flat-Panel Antenna

Electronically steered, flat-panel Ku/Ka-band satellite antenna for affordable, scalable in-flight connectivity.

price on request

NXTCOMM Defense Electronically Steered Antenna (ESA)

Scalable, conformal electronically steered flat-panel antenna for military Communications On-the-Move (COTM).

price on request

Opterus Research and Development

UNITED STATES · 2015 · 1 PRODUCT

U.S. manufacturer of deployable spacecraft structures and subsystems - booms, solar arrays and RF antennas - built on proprietary high-strain composite and origami-inspired technology.



OPTERUS RESEARCH AND DEVELOPMENT
SWATH – Spiral Wrap Antenna Technology

SWATH is a patent-pending deployable solid surface parabolic dish antenna designed for high-frequency space communications, offering a stress-free deployed configuration and compac

Operating frequencies	Over 100 GHz
Stowed volume (for <1m diameter)	1x1x1.5U
Area weight	Less than 300 gsm

price on request datasheet

Optisys

UNITED STATES · 2016 · 3 PRODUCTS

US company using metal additive manufacturing to produce high-performance RF antenna systems for satellites and defense, dramatically reducing antenna mass and part count.



OPTISYS
Antenna Feeds & Feed Clusters

Patented additively manufactured antenna feeds spanning L-band through Q-band, with rapid customization from a growing library of predesigned components.

Technology	Patented additively manufactured feeds
Frequency range	L-band through Q-band
Configurations	Single-band, multi-band; standalone or integrated with reflector



OPTISYS
Horn Arrays

Production-proven, additively manufactured horn arrays with multiple designs on orbit — compact, monolithic, scalable across frequency and gain.

Technology	Additively manufactured monolithic waveguide and horn structures
Frequency range	L-band through Q-band (customizable)
Flight heritage	Multiple designs on orbit
Key benefits	Significant SWaP reduction; reduced part count;

Key benefit	Rapid customization from pre-designed library; faster development with full-rate production	repeatable production
price on request		price on request



OPTISYS

Wideband Arrays

Ultra-wideband electronically steered arrays with up to 6:1 bandwidth for multi-band, multi-orbit missions — ground, airborne, and space.

Bandwidth	Up to 6:1
Beamforming	Analog or digital beamforming supported
Applications	Multi-band, multi-orbit; ground, airborne, space
Technology	Proprietary wideband array and waveguide launch, additively manufactured

price on request

Orbit Communication Systems

ISRAEL · 1 PRODUCT

Orbit Communication Systems is a global leader in airborne, maritime, land, and ground-station communications, satellite-tracking, and new space connectivity solutions for commercial and government customers.



ORBIT COMMUNICATION SYSTEMS

Electronically Steerable Antenna (ESA) OrBeam 5534

The OrBeam 5534 is a Ka-Band and Ku-Band Electronically Steerable Antenna (ESA) designed for high-speed, reliable multi-orbit (GEO, MEO, LEO) communication across various mobile pl

Frequency Transmit	27.5 – 31 GHz
Frequency Receive	17.7 – 21.2 GHz
EIRP	42 dBW at 45° elevation
G/T	7.7 dB/K at 45° elevation
Polarization	Electronically selectable (RHCP/LHCP/H/V)

price on request [datasheet](#)

Oxford Space Systems designs and manufactures deployable antennas for Space, focusing on performance, stowage efficiency, and mass reduction.



OXFORD SPACE SYSTEMS
Deployable Helical Antennas

Oxford Space Systems is developing a range of scalable, single-shot deployable helical antennas for Internet of Things (IoT) and Machine to Machine (M2M) communications and service

Stowage Efficient	Yes
Low Mass	Yes
Tuneable and Scalable	Yes
Single Shot Deployment	Yes
Low Complexity	Yes

price on request



OXFORD SPACE SYSTEMS
Hinged Rib Antenna

Our deployable Hinged Rib is a stowage efficient, high performance, dual band antenna, operating from Ku-band to Ka-band frequencies.

price on request



OXFORD SPACE SYSTEMS
Innovative Deployable Antennas

Oxford Space Systems develops innovative deployable antennas and structures designed to meet the challenges of the new space age, blending agile development with robust validation.

price on request



OXFORD SPACE SYSTEMS
OFFSET REFLECTOR

The Oxford Space Systems Deployable Offset Reflector Antenna is a cost competitive, reduced complexity alternative to current architectures, offering unique features that signifi

price on request



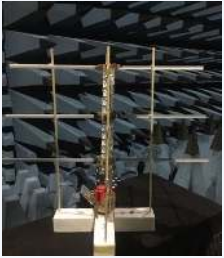
OXFORD SPACE SYSTEMS

Oxford Space Systems Deployable Helical Antenna for IoT applications

The Oxford Space Systems helical antenna helps to unlock the full utility of CubeSats in orbit, enabling the next generation of IoT services. The Helical antenna uses stored...

Manufacturer	Oxford Space Systems
Frequency	VHF to S-band

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



OXFORD SPACE SYSTEMS

Oxford Space Systems Deployable Yagi Antenna for AIS and VDES applications

The Oxford Space Systems Deployable Yagi Antenna is a high-performance VHF antenna designed for space maritime and vessel tracking applications, deploying from a 1U stowed package.

Deployed length	900 mm
Stowage	1U
Flight heritage	Yes (3-element configuration)
Optimised for	AIS and VDES applications
Frequency band	VHF

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



OXFORD SPACE SYSTEMS

Wrapped Rib

The Oxford Space Systems Wrapped-Rib antenna is a deployable Cassegrain, centre fed antenna designed for low Earth orbit (LEO), X-band synthetic aperture radar (SAR) applications.

[price on request](#)



OXFORD SPACE SYSTEMS

YAGI ANTENNA

The Oxford Space Systems Yagi is a very high frequency (VHF), high gain, directional antenna, designed to maximise stowage efficiency for satellite AIS and VDES missions.

[price on request](#)

Paradigma Technologies

GERMANY · 1 PRODUCT

Paradigma Technologies designs and manufactures mmWave telecommunication systems for small satellites, cubesats, and SOTM applications.



PARADIGMA TECHNOLOGIES

Ka Band Transponder

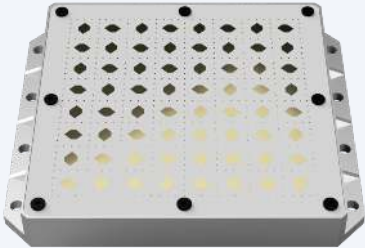
Redundant 2U Ka Band transponder system for CubeSats with dual transponders, high-gain corrugated horn antenna, and 30 krad radiation tolerance. Space heritage Q2 2024.

RF output frequency	17.3 – 21.2 GHz
RF input frequency	27.0 – 31.0 GHz
Antenna gain	23 dBi dual-band corrugated horn, LHCP/RHCP selectable in orbit
RF output power	Digitally selectable up to 2 W
Noise figure	< 3 dB
price on request	

PicoSaTs

ITALY · 4 PRODUCTS

Italian manufacturer of miniaturized RF transponders and horn antennas for small satellites and CubeSats, specialising in K-, Ka-, and Ku-band communications hardware.



PICOSATS

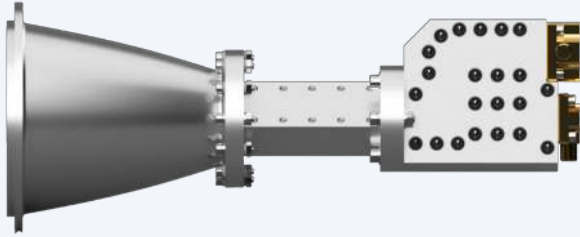
BEAMSAT K-Band Patch Antenna

High-gain 8x8 K-band patch antenna of 135 g occupying under 1U of surface, with 22 dBi peak gain.

Frequency	17.3 - 21.2 GHz
Peak gain	22 dBi
Array	8 x 8 patch
Input matching	< -15 dB
Axial ratio	< 2 dB

price on request

datasheet



PICOSATS

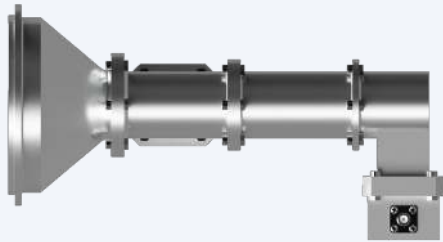
BEAMSAT K/Ka-Band Horn Antenna

Dual-band dual-polarization high-gain horn antenna for LEO and GEO, under 2U and 569 g, 21.5 dBi in K-band and 24.5 dBi in Ka-band.

Frequency k-band	17.3 - 21.2 GHz
Frequency KA-band	27.5 - 31 GHz
Peak gain	21.5 dBi (K-band), 24.5 dBi (Ka-band)
Input matching	< -15 dB (K-band), < -16 dB (Ka-band)
Hpbw	17 deg at 19.5 GHz (K-band), 7.7 deg at 29 GHz (Ka-band)

price on request

datasheet



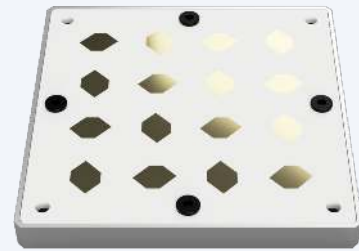
PICOSATS

BEAMSAT Ku-Band Horn Antenna

Dual-band linear-polarization Ku horn antenna for LEO and GEO, under 2U and 633 g, 16.2 dBi peak gain.

Frequency KU-band 1	10.7 - 12.75 GHz
Frequency KU-band 2	13 - 14.8 GHz
Peak gain	16.2 dBi in both bands
Input matching	< -15 dB in both bands
Hpbw	22 deg in both bands

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



PICOSATS

BEAMSAT X-Band Patch Antenna

High-gain 4x4 X-band patch antenna of 100 g occupying under 1U of surface, with 17.1 dBi peak gain.

Frequency	8.025 - 8.4 GHz
Peak gain	17.1 dBi
Array	4 x 4 patch
Input matching	< -15 dB
Axial ratio	< 1.5 dB

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

Plan-S (Connecta)

TURKEY · 2021 · 5 PRODUCTS

Plan-S designs, manufactures, launches, and operates satellite systems for IoT connectivity (Connecta) and Earth observation data analytics (Observa), with 21 satellites launched.



PLAN-S (CONNECTA)

S-Band Dual-Band Patch Antenna

This compact stacked-patch antenna is designed for demanding S-band SatCom & TT&C missions, offering reliable circular polarization, broad coverage, and environmental robustness.

Frequencies	2025-2110 MHz / 2200-2290 MHz
Peak gain	~ 6.1 dBi
Vswr	< 1.7:1
Polarization	RHCP
Port-to-port isolation	> 23 dB

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



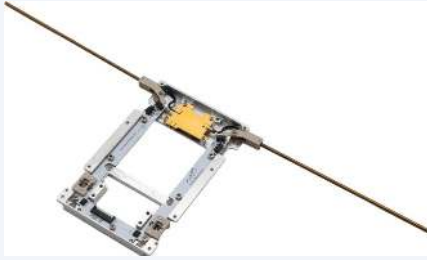
PLAN-S (CONNECTA)

S-Band Patch Antenna

The S-Band Patch Antenna is a compact, flight-proven antenna designed for robust uplink and downlink performance in small satellite missions, specifically for TT&C applications.

Frequencies	2025–2110 MHz or 2200–2290 MHz
Peak gain	> 6 dBi
Port-to-port isolation	> 30 dB
Vswr	< 1.5:1
Beamwidth	92° ± 2°

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

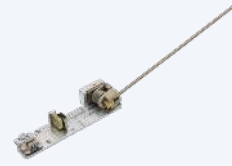


PLAN-S (CONNECTA)
UHF Deployable Dipole Antenna

The UHF Deployable Dipole Antenna offers superior RF performance with a patented, stress-free deployment mechanism, ensuring high mission reliability for critical communication lin

Frequencies	400 - 403 MHz
Peak gain	~ 2 dBi
Vswr	< 1.5:1
Polarization	Linear
Flight heritage	TRL-9, established space heritage

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



PLAN-S (CONNECTA)
UHF Deployable Monopole Antenna

The UHF Deployable Monopole Antenna provides omnidirectional RF performance for small satellite TT&C links with a stress-free deployment architecture.

Frequencies	360 - 440 MHz
Peak gain	~ 0 dBi
Vswr	< 1.5:1
Polarization	Linear
Ports	1x SMA Female

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



PLAN-S (CONNECTA)
X-Band Patch Array Antenna

The X-Band Patch Array Antenna is a high-gain, compact, and lightweight antenna optimized for high data rate X-Band communication systems in satellite platforms.

Frequency range	7900-8500 MHz
Vswr	< 1.45
Peak gain	20.7 ± 0.5 dBic
Half-power beamwidth (HPBW)	18.5° ± 0.5° @ XZ-Plane
Half-power beamwidth (HPBW) (2)	8.7° ± 0.2° @ YZ-Plane

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

Spanish composites engineering company designing and manufacturing deployable carbon-fiber structures, antennas and instruments for space, aerospace, marine defense and marine racing applications.



PROSIX ENGINEERING

Space Deployable Antenna Reflectors

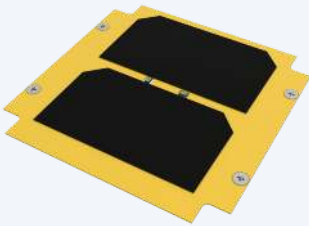
Modular, compactly-deployable composite antenna reflector structures from Prosix, scalable from 0.5 to 16 m diameter for communication and scientific instrument apertures.

Diameter range	0.5 to 16 m
Construction	Modular, hybrid composite structure
Curvature	Positive or negative curvature shapes supported
Deployment	Multiple reversible deployment and folding processes
Scalability	Growth in size using conventional truss-structure principles; modular growth with reduced

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.

CubeSat Kit™ Components for ISIS Antenna System (AntS)

This page offers various CubeSat Kit™ components specifically designed for the ISIS Antenna System (AntS), including solar panels, cover plate assemblies, base plate assemblies, an

price on request

Redwire is an integrated aerospace and defense company that designs and manufactures advanced technologies for space and defense, including optical imaging, sun sensors, solar arrays, and spacecraft p



REDWIRE CORPORATION

Redwire FALCCON High Gain Broadband Space Antenna

Frequency Agile L-Band Core Common Node antenna delivering high-gain, broadband tactical comms, telemetry, and GNSS performance.

Peak gain (high-gain config)	21 dBic
Peak gain (intermediate-gain config)	18.5 dBic
Dimensions (high-gain)	80 x 80 x 38 cm
Dimensions (intermediate-gain)	60 x 60 x 38 cm
Mass	<10 kg (excludes CFE gimbal)

price on request [datasheet](#)

ReliaSat

ReliaSat is a UK manufacturer of Ka-band RF and mm-wave systems, transceivers, phased array antennas, and MMICs for satellite, aerospace, defence, and 5G markets.



RELIASAT

S-Band Flat Panel Antenna PAN-185185-4-S

The PAN-185185-4-S is a compact 4-element S-band passive flat panel antenna covering 1.95-2.25 GHz with over 10 dBi gain and selectable LHCP or RHCP circular polarization for satel

Frequency	1.95-2.25 GHz
Gain	>10 dBi
Array elements	4
Polarization	LHCP or RHCP (circular)
PCB layers	3

price on request [datasheet](#)

Spanish 5G NB-IoT LEO satellite operator in Barcelona; first 5G-standard satellite constellation; Direct-to-Satellite 5G NB-IoT connectivity for massive IoT sensor networks worldwide.



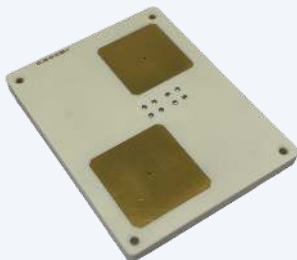
SATELIOT
5G NB-IoT Satellite Connectivity Service

First 5G standard satellite constellation for massive IoT — 3GPP NB-IoT over LEO, standard chipsets connect to orbit without modification, global coverage for sensors, trackers, an

Standard	3GPP 5G NB-IoT (3GPP Rel. 13)
Frequency	800 MHz licensed band
Orbit	LEO
Device compatibility	Standard NB-IoT chipsets (no firmware modification)
Revisit	Every few hours per location

price on request

Danish manufacturer (Aalborg) of compact, radiation-tolerant SDR and RF transceivers for satellite TT&C and payload data, including S-band, X-band, AIS, ADS-B, LoRa, and maritime VDES products.



SATLAB A/S
Satlab SAS-2 dual S-band patch antenna

The Satlab SAS-2 is a dual S-band patch antenna designed for space operation frequencies, occupying only 1U of surface area.

Frequency range rx	2025 to 2110 MHz
Gain rx	5.5 ± 0.3 dBi
Hpbw rx	87° ± 4°
Frequency range tx	2200 to 2290 MHz
Gain tx	6.1 ± 0.2 dBi

price on request datasheet

sci_Zone, Inc. is a small engineering firm that designs satellite communication radios and flight management software for CubeSats, UAVs, and IoT applications, leveraging the Globalstar LEO satellite network via their LinkStar radio system



SCI_ZONE / QUICKSAT
LinkStar-STX3-PC104

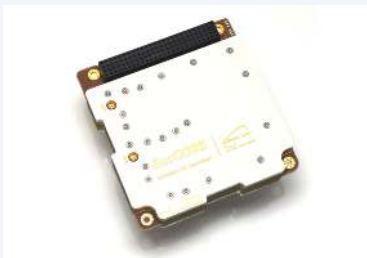
The LinkStar-STX3-PC104 is an engineering model radio system for system monitoring and satellite tracking, designed for CubeSat form factors and bus integration. It includes a modi

Antenna	TW1500 Antenna - 4.25 dBic dual-feed patch, 1610 - 1620 MHz
Operating temperature range	-40 to +80 °C
Digital power supply operational voltage	5.0 Volts
RF power supply voltage	3.0 to 5.0 Volts
Certification	FCC CFR Part 25 Modular, FCC Part 15 A, Globalstar

price on request

SkyFox Labs s.r.o.

Czech manufacturer (Prague) of Space-Friendly CubeSat and PocketQube subsystems: GNSS/AIS/ADS-B antennas, BusCORE radio terminals, ADCS sensors, and dosimeters, in continuous orbital operation since 2017.



SKYFOX LABS S.R.O.
BusCORE Satellite RF Terminal

Dual cold-redundant UHF amateur-band satellite RF terminal with 2x 2MB MRAM buffers, variable bitrate up to 38.4 kbps and PC/104+ stack connector.

Type	Dual Cold Redundant Satellite RF Terminal
Frequency band	UHF 435.000-438.000 MHz (Amateur Radio Band)
Modulation / bitrate	2GFSK, 1200-38400 bps variable



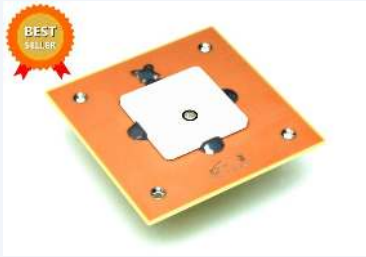
SKYFOX LABS S.R.O.
microPATCH-L1/FM (Flight Model)

The microPATCH-L1 is a long-term optimised CubeSat GPS Antenna specially designed for modern satellites, CubeSats and majority of University projects.

Part Number	microPATCH-L1/FM (Flight Model)
Antenna Type	ACTIVE Antenna with LNA
SNR Signal	Up to +50 dBc-Hz for close- to-zenith satellites
Dimensions	82x36 mm, low profile

Rx sensitivity	-120 dBm @ 1200 bps 5% PER; -106 dBm @ 38400 bps 5% PER
Rx power	3.0-3.6 V @ 33 mA (120 mW typical)

\$5 990



SKYFOX LABS S.R.O. miniPATCH-L1/FM (Flight Model)

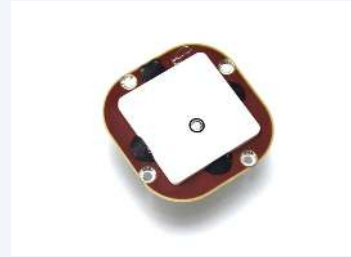
The miniPATCH-L1 is a best-selling CubeSat GPS Antenna with timeless design, properties, and performance, used on various satellites from basic CubeSats up to complex multi-kilogra

Dimensions	75x75 mm
Mass	40 grams (excluding mounting screws)
TRL	9
Power Supply	2.7 to 5.5 V, 3.3 V nominal @ ~ 20 mA
Dual Use Goods	YES

price on request

Connector	MCX connector
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price on request



SKYFOX LABS S.R.O. nanoPATCH-L1/FM (Flight Model)

The nanoPATCH-L1 is a long-term optimized CubeSat GPS Antenna specially designed for modern satellites, CubeSats and the majority of University projects.

Dimensions	50x50 mm
GPS Band	L1
TRL	9
Power Supply	2.7 to 5.5 V (3.3 V nominal @ ~ 20 mA)
Dual Use Goods	YES

price on request

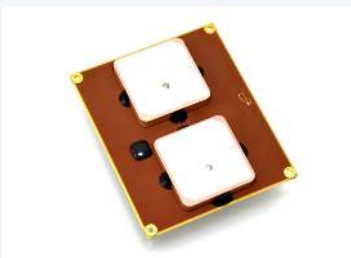


SKYFOX LABS S.R.O. piADSB-NG/FM (Flight Model)

The piADSB-NG is a Next Generation CubeSat ADS-B Air Traffic Control (ATC) Receiver based on freely available 1090ES Squitters transmitted from aircrafts.

Sensitivity	up to -106 dBm (10 ⁻² BER)
Slant Range	Up to 2000 km
Altitude	up to 75000 fpm
Intended to	LEO up to h = 600 km
TRL	9

price on request



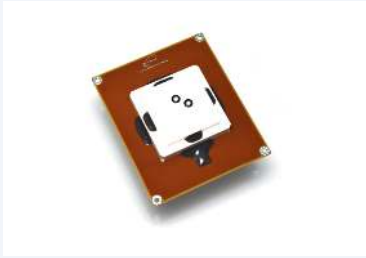
SKYFOX LABS S.R.O. piPATCH-ADSB

High-gain, non-deployable CubeSat ADS-B antenna covering the 1090 MHz band via a single RF port for space-borne aircraft tracking.

Type	High Gain Non-Deployable ADS-B Antenna
Operating frequency	1090 MHz (center), 50 Ohms
RF port	Single RF port
Dimensions	98x82.6x(+8/-4) mm, low profile, MCX-F connector
Mass	115 g (excluding mounting screws)

\$2 390

[datasheet](#)



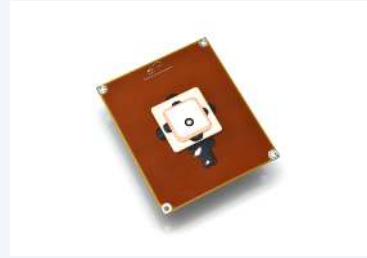
SKYFOX LABS S.R.O.

piPATCH-AllBand/FM (Flight Model)

Space-Friendly™ GNSS ALL BAND Antenna for maximum precision out of your GNSS Equipment onboard, enabling a new level of navigation.

Dimensions	98x82.6 mm
Mass	133 grams
Power Supply	2.7 to 5.5 V (3.3 V nominal @ ~ 30 mA)
HS Code	8529.10.69
Lead Time	2-4 Weeks + Shipping

[price on request](#)



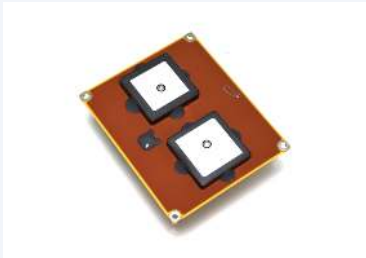
SKYFOX LABS S.R.O.

piPATCH-DualBand/FM (Flight Model)

The piPATCH-DualBand is a high-quality, high-gain antenna with low noise, low profile, RF filters, and a uniform hemispherical radiation pattern, ideal for CubeSat GNSS application

Dimensions	98x82.6 mm
Mass	75 grams
Power Supply	2.7 to 5.5 V (3.3 V nominal @ ~30 mA)
Bands Covered	GPS L1, GPS L2, GLONASS G1, Galileo E1, Galileo E5b, BeiDou B1, BeiDou B2b
RF Path Gains	better than +16 dB

[price on request](#)



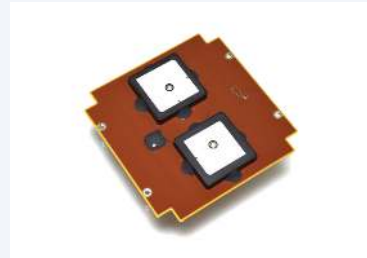
SKYFOX LABS S.R.O.

piPATCH-IoT

High-gain All-Band CubeSat IoT antenna covering the 868/915 MHz ISM/LoRa/SigFox bands via a single RF port, for X/Y +/- side mount.

Type	All Band CubeSat IoT/ISM/LoRa/SigFox Antenna
Bands	868 MHz (center), 915 MHz (center)
RF port	Single RF port for TX and RX
RF power handling	up to 5 W RF output power
Dimensions	98x82.6x(+7/-4) mm, low profile, MCX-F connector

[\\$2 390](#) [datasheet](#)



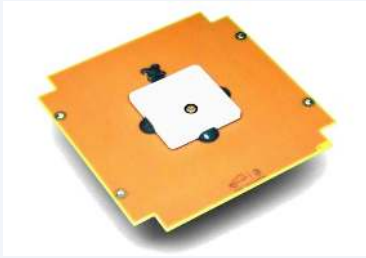
SKYFOX LABS S.R.O.

piPATCH-IoT-TC

High-gain All-Band CubeSat IoT antenna covering the 868/915 MHz ISM/LoRa/SigFox bands, Z-face mount for Tuna-Can (Exopod Nova) deployers.

Type	All Band CubeSat IoT/ISM/LoRa/SigFox Antenna
Bands	868 MHz (center), 915 MHz (center)
RF port	Single RF port for TX and RX
RF power handling	up to 5 W RF output power
Dimensions	98x98x(+7/-4) mm, low profile, MCX-F connector

[\\$2 390](#) [datasheet](#)



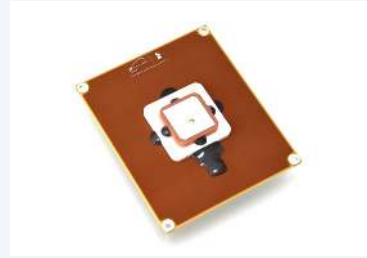
SKYFOX LABS S.R.O.

piPATCH-L1E1/FM (Flight Model)

A high gain CubeSat GNSS Antenna supporting both GPS and GALILEO constellation receiver equipment (GPS-L1, GALILEO-E1), ideal for Nadir/Zenith oriented satellites.

Dimensions	98x98 mm, low profile, MCX-F connector
Mass	50 grams (excluding mounting screws)
TRL	9
Power Supply	2.7 to 5.5 V, 3.3 V nominal @ ~ 20 mA
Dual Use Goods	YES

price on request



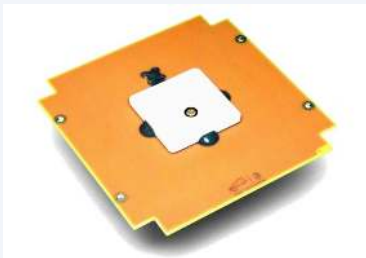
SKYFOX LABS S.R.O.

piPATCH-L1L2/FM (Flight Model)

A high-gain CubeSat GNSS antenna supporting GPS, GLONASS, Galileo, and BeiDou constellations, ideal for Nadir/Zenith oriented satellites.

Mass	70 grams
Dimensions	98x82.6 mm
Power Supply	2.7 to 5.5 V (3.3 V nominal @ ~30 mA)
Bands Covered	GPS L1, GPS L2, GLONASS G1, Galileo E1, BeiDou B1
Dual Frequency Bands	L1 + L2 (1575.42-1602 MHz + 1227.60 MHz)

price on request



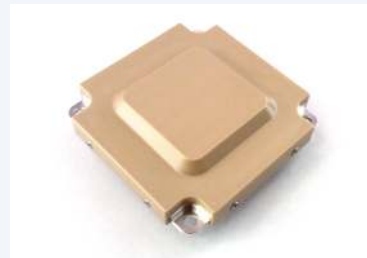
SKYFOX LABS S.R.O.

piPATCH-LG/FM (Flight Model)

A high gain CubeSat GPS/GLONASS antenna with low noise, RF filters, and uniform radiation pattern, ideal for Z+/- CubeSat wall mounting.

Dimensions	98x98 mm, low profile
Mass	50 grams (excluding mounting screws)
TRL	9
Power Supply	2.7 to 5.5 V, 3.3 V nominal @ ~ 20 mA
Connector	MCX-F

price on request



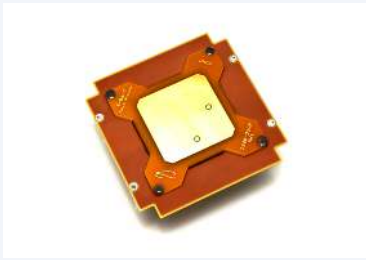
SKYFOX LABS S.R.O.

piPATCH-MAX/FM (Flight Model)

A high-quality, multi-constellation GNSS antenna with low noise, RF filters, high gain, and appropriate radiation pattern, designed for microsattellites operating in direct sunny an

Mass	89 grams (excluding mounting screws)
Dimensions	74x74x13 mm
Power Supply	2.7 to 5.5 V (3.3 V nominal @ ~ 20 mA)
SNR	50+ dBc-Hz on ground for close-to-zenith satellites
Cover Material	PEEK

price on request



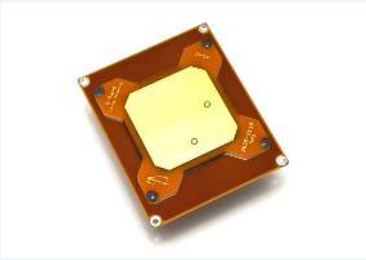
SKYFOX LABS S.R.O.

piPATCH-S-DL

ZeroCore CubeSat S-band patch antenna for RHCP downlink, tuned to the whole 2200-2290 MHz S-downlink band, in X/Y or Z mount.

Type	CubeSat S-Band Patch Antenna, RHCP Downlink
Frequency range	2200-2290 MHz
Power handling	10 W CW (open space)
Rhcp gain	+4.7 dBd / +5.55 dBiC (front lobe)
Linear mode gain	+7.8 dBd (front lobe)

\$2 390 [datasheet](#)



SKYFOX LABS S.R.O.

piPATCH-S-UL

ZeroCore CubeSat S-band patch antenna for RHCP uplink, tuned to the whole 2025-2110 MHz S-uplink band, in X/Y or Z mount.

Type	CubeSat S-Band Patch Antenna, RHCP Uplink
Frequency range	2025-2110 MHz
Rhcp gain	+4.7 dBd / +5.55 dBiC (front lobe)
Linear mode gain	+7.8 dBd (front lobe)
Gain flatness	+/- 1 dB over band

\$2 390 [datasheet](#)



SKYFOX LABS S.R.O.

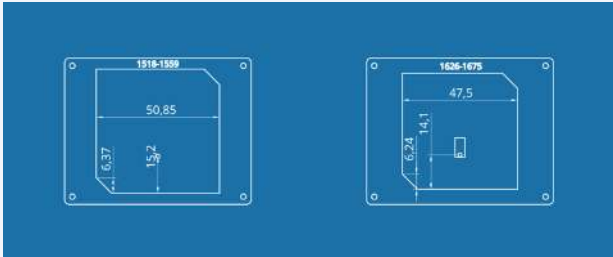
RF Pigtail Cable/FM (Flight Model)

Space-Friendly™ RF Coaxial Cable, an essential part of each RF equipment chain, custom-made with TRL-9 crimping quality and available with various connectors and lengths.

Part Number	RF Pigtail/FM (Flight Model)
Product Summary	RF Coaxial Cable
Impedance	50 Ohms
Connectors	Crimped with MMCX-M, MCX-M or SMA-M connectors
Connector Type	Straight or Right Angle

[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

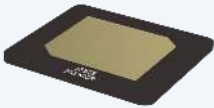


SPACE INVENTOR APS
L-Band Single Patch Antenna (PATCH1-L-R)

Compact single-port L-band patch antenna for GPS, satellite communication and remote sensing applications.

Msrp	€4,000
Frequency range	1518-1560 MHz or 1626-1675 MHz
Ports	Single port

\$4 000

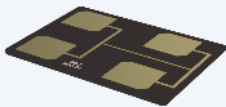


SPACE INVENTOR APS
PATCH1-S-R

A compact single-port S-band patch antenna designed for the 2025-2110 MHz or 2200-2290 MHz frequency range, used for satellite communication and radar applications.

Msrp	€4.000
Frequency range	2025-2110 MHz or 2200-2290 MHz

price on request

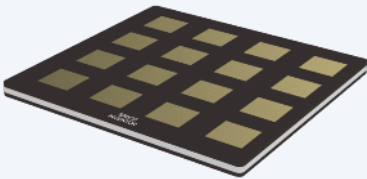


SPACE INVENTOR APS
S-Band 2x2 Antenna Array (PATCH2X2-S-R)

The PATCH2X2-S-R is a compact S-band 2x2 antenna array featuring four antenna elements on a substrate with a feed network, designed for satellite communication and other applicatio

Frequency range	2025-2110 MHz or 2200-2290 MHz
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price on request



SPACE INVENTOR APS
X-Band Patch 4 antenna

The X-Band Patch 4 antenna is a high-frequency single-port array designed for satellite communication, radar systems, and high-frequency applications requiring precise directional

Msrp	€8,000
Frequency range	7250-7750 MHz
Configuration	4x4-element array, single port

price on request

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.
Small Antenna Module (SAM)

The Small Antenna Module (SAM) is a versatile deployable antenna module for nanosatellite communication systems, offering reliable performance and mission-tailored configurations w

Operating temperature	-40°C to +85°C
Dimensions	98 x 98 x 6.2 mm
Dimensions (inc. components)	98 x 98 x 10.1 mm
Mass	55 g
Power supply	5 V

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

SPUTNIX

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

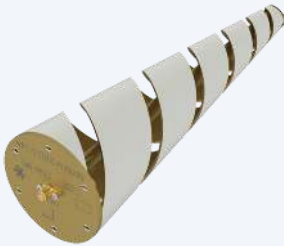


SPUTNIX
Antenna-feeder system of the UHF band

A monopole UHF-band antenna converting electrical signals into electromagnetic waves for satellite communications.

Antenna type	monopole
Operating frequency range	400-403 MHz
Gain	at least 4 dB
Standing wave voltage coefficient	no more than 2
Type of polarization	linear

[price on request](#)



SPUTNIX
S band antenna-feeder system

A lightweight, 3D-metal-printed two-way spiral S-band antenna for spacecraft command/telemetry radio links.

Antenna type	Two-way spiral
Operating frequency range	2000-2290 MHz
Gain	at least 4 dB
Standing wave voltage coefficient	no more than 1.65
Type of polarization	Circular, RHCP

[price on request](#)



SPUTNIX

SX-SBOX Communications (Microsatellite)

Communications line of the SX-SBOX suite for microsatellite platforms: UHF and S-band command-and-telemetry radio links, X-band high-speed downlink (VRL-X), the high-speed-radio co

UHF TT&C sx-sbox-trx-UHF-01	435–438 MHz, 5 W, up to 19200 bit/s, AX.25/USP, RX –109 dBm
S-band TT&C sx-sbox-trx-s-01	RX 2025–2110 / TX 2200–2290 MHz, 5 W, up to 10 Mbit/s, LDPC, AES-128/256, CCSDS
X-band downlink (vrl-x) sx-sbox-xbox	8220 MHz, 600–1750 Mbit/s, DVB-S2/S2X, $\pm 65^\circ$ scan, EIRP 68 dBm, 15 kg
High-speed-radio control unit	CAN control, RS-422 $\times 4$, 0.75 kg
Antenna systems	UHF 400–403 MHz (21 g); S-band 2000–2290 MHz ≥ 4 dB; X-band 8000–8400 MHz ≥ 22.5 dB

price on request



SPUTNIX

X band antenna-feeder system

A two-mirror Cassegrain X-band antenna for organizing high-speed radio downlinks with optional dual-polarization data transmission.

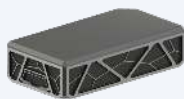
Antenna type	Mirror
Operating frequency range	8000–8400 MHz
Gain	at least 22.5 dB
Standing wave voltage coefficient	no more than 1.5
Type of polarization	Circular, RHCP

price on request

SWISSto12

SWITZERLAND · 2011 · 2 PRODUCTS

SWISSto12 designs and manufactures 3D-printed RF products, advanced payloads, and small geostationary satellites for satellite communications.



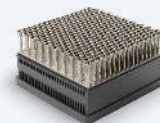
SWISST012

Horn Arrays

SWISSto12 Horn Arrays are 3D printed, monolithic, high-gain waveguide-based horn arrays designed for mechanically steered systems, offering lightweight and high RF performance.

Gain (Ka High Gain)	36 dBi @ 20 GHz & 39.5 dBi @ 30 GHz
G/T (Ka High Gain)	> 12.5 dB/k
Mass (Ka High Gain)	< 5 kg
Gain (Ka Medium Gain)	33 dBi @ 20 GHz & 36.5 dBi @ 30 GHz
G/T (Ka Medium Gain)	> 10 dB/k

price on request [datasheet](#)



SWISST012

HummingLink

The HummingLink line of advanced payload technologies and RF products are high-performance, high-availability solutions built for any mission, on any platform, in any orbit.

price on request [datasheet](#)

Developer of miniaturized RF communication subsystems for small satellites, including X-band transmitters, S-band transceivers, GNSS receivers, and spectrum monitoring payloads. Now a division of Safran Data Systems.



SYRLINKS
SPAN-S-T3

The SPAN-S-T3 is a microstrip antenna designed for CubeSats, offering a balance between miniaturization and advanced performance in terms of gain and axial ratio.

Name	SPAN-S-T3
Vendor	Syrlinks
Subsystem	Telecom Subsystem
Component type	Microstrip Antenna
Form factor	CubeSat

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



SYRLINKS
SPAN-X-T3

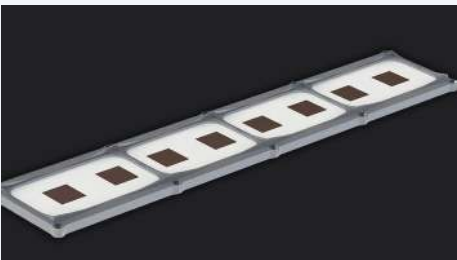
The SPAN-X-T3 is a CubeSat patch design microstrip antenna offering a balance between miniaturization and advanced performance, including high gain and axial ratio.

Name	SPAN-X-T3
Vendor	Syrlinks
Subsystem	Telecom Subsystem
Component type	Microstrip Antenna
Form factor	CubeSat

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

TALOS GmbH

TALOS develops satellite-based IoT technology and CubeSat payloads, transforming natural movement into global intelligence from space.



TALOS GMBH
S-Band IoT Antenna Array

Flight-ready S-band antenna array for satellite-based IoT communication in demanding space environments.

Frequency	S-band
Application	LEO satellite IoT signal reception
Environment	Space-qualified for LEO operations
Flight heritage	RAVEN microsatellite (launched 2026 on SpaceX Falcon 9)

[price on request](#)

Global antenna design house specializing in GNSS, NTN (Non-Terrestrial Network), and IoT connectivity antennas. Space-qualified GNSS antennas flight-proven on the EIRSAT-1 CubeSat mission.



TAOGLAS

CGSP457.A GNSS SatCom 1542-1643 MHz 45 x 45 x 7 mm Patch Antenna

The Taoglas CGSP457.A is a high-performance ceramic patch antenna designed for robust and accurate positioning across various GNSS constellations, while also supporting SatCom oper

Technology	Embedded Antennas, GNSS
GNSS type	Passive GNSS
GNSS bands	L1/L-Band
Mechanical style	Patch
Impedance	50

price on request

datasheet

Developer of patented VICTS (Variable Inclination Continuous Transverse Stub) phased array antennas for commercial aviation in-flight connectivity, military SATCOM, ground terminals, and space payloads.



THINKOM SOLUTIONS, INC.

VICTS Space Payload Antenna

VICTS antenna technology adapted for space payload applications including satellite inter-satellite links and high-data-rate downlinks from LEO platforms.

Technology	VICTS (space-adapted)
Applications	ISL, high-rate downlink, LEO payload
Advantages	No T/R modules — reduced mass, power, and failure modes
Business model	Technology licensing and co-development

price on request

Thorium Space Technology

POLAND · 2018 · 2 PRODUCTS

Polish manufacturer of active electronically steered (AESA) flat-panel phased array antennas and Ka-band satcom terminals, beamforming chipsets and communication payloads for LEO/MEO/GEO satellites.



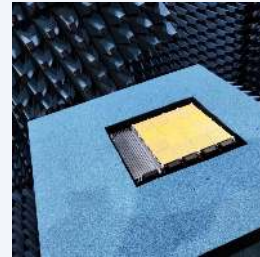
THORIUM SPACE TECHNOLOGY

Ka-Band Beam-Forming Integrated Circuits

A family of four Ka-band beam-forming ICs (Wildside2731, Mystic1721, Farside1721, Meadow2731) for satellite terminal and space payload applications, developed with Silvers Semiconductor

Wildside2731 function	TX (terrestrial)
Wildside2731 frequency	27.5–31 GHz
Wildside2731 TRL	V
Mystic1721 function	RX (terrestrial)
Mystic1721 frequency	17.7–21.2 GHz

price on request



THORIUM SPACE TECHNOLOGY

T-XPDR Tactical Adaptive Satellite Transponder

Ka-band tactical adaptive satellite transponder using SDR and cognitive radio technologies with multi-beam electronically steered flat panel antennas for tactical satellite communication

Operating frequency band	Ka
Signal generation	Digital radio (SDR)
Radio technology	SDR + Cognitive Radio (CR)
Antenna type	Multi-beam flat panel, active phased array
Beam steering	Electronic (no moving parts)

price on request

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.



TIGER INNOVATIONS, INC.

RFX-400

The RFX-400 is a cost-effective, extremely small form-factor UHF transceiver designed for spacecraft communication, supporting multiple modulation formats, encryption algorithms, and a

Frequency range	387 - 464 MHz (90 usec settling time)
Sensitivity	-122 dBm
Output power	<1 mW to +8.1 W, digitally adjustable
Data rate	1.2 - 500 kbps
Modulation	2-FSK, GFSK, MSK, OOK, flexible ASK shaping

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

Vellore Institute of Technology

INDIA · 1 PRODUCT

Vellore Institute of Technology (VIT) is one of India's top-ranked private universities, with campuses in Vellore, Chennai, Bhopal, and Amaravati. VIT has established itself as a hub for space technology research, with active SATCOM research

VELLORE INSTITUTE OF TECHNOLOGY

VIT SATCOM Research Program

The VIT SATCOM Research Program at Vellore Institute of Technology focuses on satellite communications technologies including antenna design, signal processing, and link budget analysis.

Type	Research Program
Focus	Satellite Communications (SATCOM)
Collaborators	ISRO, International Partners
Institution	VIT University
Country	India

[price on request](#)

WiRan

POLAND · 2002 · 8 PRODUCTS

Polish RF/microwave company in Gdynia, founded 2002; L/S/X/Ku-band components, space-grade diplexers and filters, and EMC testing laboratory services.



WIRAN

S-Band Coupler

The WiRan 90° Hybrid Coupler is designed for splitting an input RF signal equally between two output ports with a 90-degree phase shift, or combining 90-degree phase shifted signals.

Flight models	available in days/weeks, depending on specific requirements
Frequency	2000-2300 MHz
Insertion Loss	≤0.4 dB
Return Loss	≥23 dB
Isolation	≥25 dB

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



WIRAN

S-Band Diplexer

WiRan's S-Band Diplexer enables full-duplex satellite communication over a single antenna, separating RX and TX paths within the 2025-2290 MHz band.

Operating frequency band	2025-2290 MHz
Variants	A and B, covering entire 2025-2290 MHz range, no tuning required
Housing	Aluminium, mechanical-shock- and temperature-resistant
CUBESAT compliance	Compliant with the CubeSat nanosatellite standard
Compatibility	Fully compatible with WiRan S-Band antenna

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



WIRAN

S-BAND SPLITTER

The WiRan S-Band Splitter is a power divider designed for CubeSat nanosatellites, splitting RF power into two channels with excellent phase and amplitude balance, low insertion loss

Compliant with	CubeSat nanosatellite standard
Housing	alodine coated lightweight aluminum
Compatibility	other WiRan S-Band products (diplexer, antenna)
Operational temperature range	wide
Frequency	2000-2500 MHz

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



WIRAN

WiRan 90° Hybrid Couplers

WiRan 90° Hybrid Couplers are compact X-band devices designed for splitting an input RF signal equally between two output ports with a 90-degree phase shift, or combining phase-shi

Flight models available	in days/weeks, depending on specific requirements
Frequency	7100-8500 MHz
Insertion loss	≤0.9 dB
Return loss	≥17.5 dB
Isolation	≥20 dB

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



WIRAN

WiRan S-Band antenna

The WiRan S-Band antenna provides full-duplex communication for data transmission and TM&TC, operating in the 2025-2290 MHz band with good polarization quality over a broad bea

Frequency band	2025-2290 MHz
Polarization	RHCP by default (LHCP available)
Compliance	CubeSat nanosatellite standard
Coverage	Entire S-Band, omnidirectional (with 2 antennas + splitter for nano/microsatellite)
Communication type	Full-duplex

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



WIRAN

WiRan X-Band Antenna

The WiRan X-Band Antenna is a compact, full-duplex antenna designed for data transmission and swarm radiocommunication in the X-band, compatible with CubeSat nanosatellites.

Operating bands	7145-7235 & 8000-8500 MHz
Compatibility	CubeSat nanosatellite standard
Polarization	RHCP by default
Availability	First Engineering Models expected in 2021/22
Frequency	7145-7235; 8000-8500 MHz

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



WIRAN

X-Band Diplexer DXA

WiRan's X-Band Diplexer (DXA) enables full-duplex X-band communication for CubeSats, combining/separating transmit and receive signals for data downlink and swarm radiocommunicatio

Operating frequency band	7145-8500 MHz
Isolation	>80 dB
CUBESAT standard compliance	Compliant with the CubeSat nanosatellite standard
Design supervision	Designed under supervision of European Space Agency
Documentation	STEP files, S parameters available on request

price on request [datasheet](#)



WIRAN

X-Band Splitter

The WiRan X-Band Splitter is a power divider designed for CubeSat nanosatellites, enabling the splitting of RF power into two channels with excellent phase and amplitude balance.

Compliance	CubeSat nanosatellite standard
Housing material	Alodine coated lightweight aluminum
Availability	Flight Models available in days/weeks, depending on specific requirements
Technical data	STEP file, S-Parameters available on request (contact us)
Frequency	7.1-8.5 GHz

price on request [datasheet](#)

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.

AAC SpaceQuest (AAC Clyde Space subsidiary)

United States · 2 products

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

Antcom Corporation

United States · 2 products

Antcom Corporation, part of Hexagon's Autonomy & Positioning division, designs and manufactures GPS/GNSS, CRPA, satcom, and combo antennas for aerospace, defense, agriculture, survey, and un

Apogeo Space

Italy · 2019 · 1 product

Italian picosatellite manufacturer and IoT connectivity provider building 0.3U–6U CubeSat platforms and antennas for agricultural, industrial, maritime, and environmental monitoring applicat

Astrome Technologies

India · 2015 · 1 product

Deep-tech company building next-generation millimeter-wave wireless and satellite communications products, from E-band terrestrial backhaul to S-band through V/W-band space links.

celtonn

Ireland · 1 product

Celtonn designs and manufactures space-qualified RF components and custom RF solutions, including W-Band and D-Band hardware, from its facility in Dublin, Ireland.

Compoxi

Spain · 1 product

Compoxi is a Spanish composite design and manufacturing company delivering turnkey carbon-fiber and glass-fiber structures for space, aeronautics, and industrial applications, including sate

ETL Systems

United Kingdom · 2 products

ETL Systems manufactures RF signal processing equipment for satellite communications, including RF distribution and Digital IF systems. They also provide end-to-end services such as system d

AAC Clyde Space

Sweden · 1999 · 9 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.

ANT61

United Kingdom · 1 product

UK developer of satellite data storage modules and the Beacon — an independent satellite health monitoring and recovery system using Iridium inter-satellite links, proven in orbit in 2024.

Anywaves

France · 2017 · 20 products

French manufacturer of flight-proven space antennas, software-defined radio platforms, and RF payload technologies for satellite and launcher missions, with heritage on 200+ 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.

Celestial Space Technologies

South Africa · 1 product

Celestial Space Technologies designs high-performance, lightweight satellite antennas for small satellite missions, offering S-band and X-band patch antennas with low mass and broad view ang

CesiumAstro

United States · 1 product

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

EnduroSat

Bulgaria · 2015 · 7 products

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

EXA (Ecuadorian Space Agency)

Ecuador · 2007 · 3 products

Ecuadorian civilian space agency and manufacturer of high-energy-density batteries, deployable solar arrays and CubeSat platforms.

FreeFall Aerospace

United States · 2 products

FreeFall Aerospace develops novel antenna systems for high gain communications and remote sensing for space and ground applications.

Geespace

China · 2018 · 2 products

Chinese satellite IoT operator (part of Geely Holding) building and operating the GEESATCOM low Earth orbit communication constellation and satellite terminal hardware.

Glavkosmos

Russia · 1985 · 43 products

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

GomSpace

Denmark · 2007 · 10 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

GoSAT Africa

United Kingdom · 2012 · 1 product

Satellite internet service provider offering high-speed VSAT connectivity across Francophone Africa via Eutelsat/Konnect network.

Guodian Gaoke (Tianqi Satellite)

China · 2015 · 1 product

Guodian Gaoke designs, develops, and operates the Tianqi Constellation, China's first low-Earth orbit satellite IoT network, providing global communication services for various industries an

Haigh Farr

United States · 1969 · 1 product

Haigh-Farr designs, manufactures, and tests conformal and non-conformal antennas for high-performance aerospace vehicles.

Hanwha Phasor

United Kingdom · 1 product

UK flat panel phased array satellite antenna company (Hanwha Systems subsidiary); electronically steerable antennas for aviation IFC, maritime VSAT, and land mobile satellite services.

Helical Communication Technologies (HCT)

United States · 3 products

US manufacturer of deployable helical and quadrifilar antennas for CubeSats and smallsats, including the Helios family.

HPS High Performance Space Structure Systems

1 product

HPS designs, manufactures, and integrates mechanical/thermal space subsystems, including antennas, deployable structures, thermal insulation, and equipment for nanosatellites.

IMT (Ingegneria Marketing Technologies)

1991 · 1 product

IMT designs and develops Nano/Micro-satellites and on-board units for commercial, scientific, and defense applications, and provides EEE parts engineering.

Innovative Space Logistics

Netherlands · 2006 · 5 products

ISISPACE provides launch services, manufactures CubeSat deployers and other launch equipment, and acts as a satellite systems integrator for small satellites.

IQ Spacecom

1999 · 2 products

IQ Spacecom designs and manufactures high-performance radio communication solutions, including SDR transceivers, antennas, and space switches, for small satellites and ground equipment.

ISISPACE Group

Netherlands · 2006 · 7 products

CubeSat deployers, antennas, EPS and small-satellite systems.

ISS Reshetnev

Russia · 1959 · 1 product

Russian satellite manufacturer in Zheleznogorsk, Siberia; GLONASS-K/M navigation, Express GEO comms, Luch data relay, and Yamal satellites; 1,400+ spacecraft built.

Kairo Space

South Korea · 1 product

South Korean nanosatellite manufacturer offering CubeSat platforms, optical imagers, star trackers, solar panels, EPS, structures, and deployers for the commercial small satellite market.

KRYTAR

United States · 1975 · 2 products

KRYTAR designs and manufactures ultra-broadband microwave, mmWave, and RF components and test equipment for commercial and military applications, covering DC to 110 GHz.

L.Garde Inc

1971 · 1 product

L.Garde designs, develops, and manufactures inflatable and deployable structures for space and terrestrial applications, including solar sails and advanced observation structures.

Ligado Networks

United States · 1 product

US satellite communications company holding L-band spectrum licenses to power next-generation IoT, critical infrastructure, and mobile broadband connectivity services.

Mbryonics

Ireland · 2014 · 1 product

Ireland's largest photonics company, building end-to-end optical communication systems for space connectivity.

MinoSpace

China · 2017 · 1 product

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

Mithril Technologies

United States · 2023 · 1 product

Developer of electrostatically-actuated, dynamically reshapable mesh reflector antennas for adaptive satellite communications and in-space radar.

MMA Design

1 product

MMA Design manufactures deployable solutions for space and terrestrial missions, including de-orbit systems and solar arrays, and is headquartered in Broomfield, Colorado.

NanoAvionics

Lithuania · 2014 · 1 product

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

NBSpace

Thailand · 2021 · 2 products

Thai CubeSat subsystems manufacturer and satellite solutions provider.

NearSpace Launch

United States · 1 product

NearSpace Launch designs and manufactures CubeSat systems, subsystems, and satellite communication hardware, serving government agencies, commercial, and academic customers.

NewSpace Systems (NSS)

South Africa · 1 product

NewSpace Systems (NSS) manufactures spacecraft components and sub-systems, focusing on Guidance, Navigation, and Control (GNC) products for commercial spacecraft manufacturers globally.

NexTenna

Israel · 2020 · 1 product

Israeli satellite antenna technology company developing advanced phased array and reflector antenna systems for satellite communications and direct-to-device connectivity.

Nigcomsat

Nigeria · 2006 · 1 product

Nigerian Communications Satellite Limited (NIGCOMSAT) is Nigeria's national satellite communications operator, providing broadcasting, transponder leasing, broadband, navigation and value-ad

Northrop Grumman Space Systems

United States · 1939 · 1 product

Minotaur family, Pegasus XL, Antares (legacy); MLV co-development with Firefly.

NSLComm (BeetleSat)

Israel · 2 products

Israeli satellite communications company developing BeetleSat, a flat-panel deployable antenna satellite constellation providing broadband connectivity for mobility and remote applications.

NuSpace Pte Ltd

Singapore · 2018 · 1 product

Singaporean satellite IoT company building nanosatellites and ground systems to enable global IoT connectivity from low Earth orbit.

NXT Communications (NXTCOMM)

United States · 2017 · 2 products

NXT Communications Corporation (NXTCOMM) designs and manufactures low-cost, electronically steered flat-panel satellite antennas and delivers managed broadband connectivity services for avia

Opterus Research and Development

United States · 2015 · 1 product

U.S. manufacturer of deployable spacecraft structures and subsystems - booms, solar arrays and RF antennas - built on proprietary high-strain composite and origami-inspired technology.

Optisys

United States · 2016 · 3 products

US company using metal additive manufacturing to produce high-performance RF antenna systems for satellites and defense, dramatically reducing antenna mass and part count.

Orbit Communication Systems

Israel · 1 product

Orbit Communication Systems is a global leader in airborne, maritime, land, and ground-station communications, satellite-tracking, and new space connectivity solutions for commercial and gov

Oxford Space Systems

United Kingdom · 2013 · 8 products

Oxford Space Systems designs and manufactures deployable antennas for Space, focusing on performance, stowage efficiency, and mass reduction.

Paradigma Technologies

Germany · 1 product

Paradigma Technologies designs and manufactures mmWave telecommunication systems for small satellites, cubesats, and SOTM applications.

PicoSaTs

Italy · 4 products

Italian manufacturer of miniaturized RF transponders and horn antennas for small satellites and CubeSats, specialising in K-, Ka-, and Ku-band communications hardware.

Plan-S (Connecta)

Turkey · 2021 · 5 products

Plan-S designs, manufactures, launches, and operates satellite systems for IoT connectivity (Connecta) and Earth observation data analytics (Observa), with 21 satellites launched.

Prosix Engineering

Spain · 2006 · 1 product

Spanish composites engineering company designing and manufacturing deployable carbon-fiber structures, antennas and instruments for space, aerospace, marine defense and marine racing applica

Pumpkin, Inc.

United States · 1995 · 1 product

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

Redwire Corporation

United States · 2020 · 1 product

Redwire is an integrated aerospace and defense company that designs and manufactures advanced technologies for space and defense, including optical imaging, sun sensors, solar arrays, and sp

ReliaSat

United Kingdom · 2020 · 1 product

ReliaSat is a UK manufacturer of Ka-band RF and mm-wave systems, transceivers, phased array antennas, and MMICs for satellite, aerospace, defence, and 5G markets.

Sateliot

Spain · 2019 · 1 product

Spanish 5G NB-IoT LEO satellite operator in Barcelona; first 5G-standard satellite constellation; Direct-to-Satellite 5G NB-IoT connectivity for massive IoT sensor networks worldwide.

Satlab A/S

Denmark · 2013 · 1 product

Danish manufacturer (Aalborg) of compact, radiation-tolerant SDR and RF transceivers for satellite TT&C and payload data, including S-band, X-band, AIS, ADS-B, LoRa, and maritime VDES produc

sci_Zone / QuickSAT

United States · 2003 · 1 product

sci_Zone, Inc. is a small engineering firm that designs satellite communication radios and flight management software for CubeSats, UAVs, and IoT applications, leveraging the Globalstar LEO

SkyFox Labs s.r.o.

Czech Republic · 2014 · 17 products

Czech manufacturer (Prague) of Space-Friendly CubeSat and PocketQube subsystems: GNSS/AIS/ADS-B antennas, BusCORE radio terminals, ADCS sensors, and dosimeters, in continuous orbital operati

Space Inventor ApS

Denmark · 2015 · 4 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 i

Spacemanic s.r.o.

Slovakia · 2017 · 1 product

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

SPUTNIX

Russia · 2011 · 4 products

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

SWISSto12

Switzerland · 2011 · 2 products

SWISSto12 designs and manufactures 3D-printed RF products, advanced payloads, and small geostationary satellites for satellite communications.

Syrlinks

France · 2011 · 2 products

Developer of miniaturized RF communication subsystems for small satellites, including X-band transmitters, S-band transceivers, GNSS receivers, and spectrum monitoring payloads. Now a divisi

TALOS GmbH

Germany · 2022 · 1 product

TALOS develops satellite-based IoT technology and CubeSat payloads, transforming natural movement into global intelligence from space.

Taoglas

Ireland · 2004 · 1 product

Global antenna design house specializing in GNSS, NTN (Non-Terrestrial Network), and IoT connectivity antennas. Space-qualified GNSS antennas flight-proven on the EIRSAT-1 CubeSat mission.

ThinKom Solutions, Inc.

United States · 2000 · 1 product

Developer of patented VICTS (Variable Inclination Continuous Transverse Stub) phased array antennas for commercial aviation in-flight connectivity, military SATCOM, ground terminals, and spa

Thorium Space Technology

Poland · 2018 · 2 products

Polish manufacturer of active electronically steered (AESA) flat-panel phased array antennas and Ka-band satcom terminals, beamforming chipsets and communication payloads for LEO/MEO/GEO sat

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.

Vellore Institute of Technology

India · 1 product

Vellore Institute of Technology (VIT) is one of India's top-ranked private universities, with campuses in Vellore, Chennai, Bhopal, and Amaravati. VIT has established itself as a hub for spa

WiRan

Poland · 2002 · 8 products

Polish RF/microwave company in Gdynia, founded 2002; L/S/X/Ku-band components, space-grade diplexers and filters, and EMC testing laboratory services.

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