

NEWSPACE MARKET · COMPANY PROFILE



Mercury Systems

United States · mrcy.com

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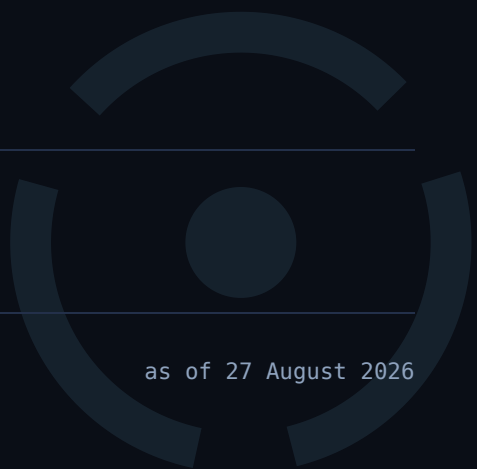
PRODUCTS

45

WITH DATASHEETS

newspacemarket.com/companies/mercury-systems/

as of 27 August 2026



Mercury Systems

Mercury Systems delivers end-to-end processing ecosystems for aerospace and defense systems. They provide signal, compute, data management, display, and secure products. They have supported over 75 different spacecraft missions, including every Mars flight over the past 20 years.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

Product catalogue



MERCURY SYSTEMS
AVIO-2353 3U OpenVPX I/O Interface Board

The AVIO-2353 with BuiltSAFE™ technology is a safety-certifiable 3U OpenVPX™ interface board featuring a rich set of I/O optimized for avionic mission computers.

Compliance	3U OpenVPX (VITA 65)/VPX REDI (VITA 48)
XMC Compliance	XMC 2.0 (VITA 61), XMC PCIe (VITA 42.3)
Certifiable up to	DAL-C (DO-178C/DO-254)
Peripheral slot profile	SLT3-PER-1U-14.3.3
MIL-STD-1553 channels	2 dual redundant (BC, RT and MT)
ARINC-429 channels	16 receiving and 8 transmitting (high and low speed)
Serial channels	10 configurable RS232/RS422/RS485

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



MERCURY SYSTEMS
BIT System Boot Diagnostic Support Tools

A comprehensive, customizable toolset of scripts and source code for building robust subsystem Built-In-Test (BIT) capabilities.

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



MERCURY SYSTEMS

CB3P-6231 3U OpenVPX Network Switch Board and Carrier with BuiltSAFE

The CB3P-6231 is a 3U OpenVPX™ PCIe® switch PMC/XMC carrier board for use with Mercury's ROCK-2 subsystem, offering PCIe Gen1/Gen2/Gen3 lane switching capability.

Power Consumption	7W
XMC Sites	1
PMC Sites	1
PCIe Switch	32-lanes
PCIe Generations	Gen1/Gen2/Gen3
Compliance	3U OpenVPX VITA 65, VPX-REDI VITA 48, XMC VITA 42, PMC IEEE.1386
Non-operating temperature	-55°C to 105°C

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



MERCURY SYSTEMS

CCM3011 3U OpenVPX I/O Carrier Board

The CCM3011 3U OpenVPX I/O Carrier Board expands processing module bandwidth capacity with an additional mezzanine site, supporting bi-directional, high-bandwidth I/O data.

Mezzanine site	1x XMC/PMC
Switch	On-board 32-line
System management	Advanced OpenVPX (VITA 46.11)
Serial interface	1x from IPMC to front-panel interface
Cooling	Air and conduction cooled
Mezzanine sites	1
PCI support	33 and 66 MHz

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



MERCURY SYSTEMS

CCM3012 3U OpenVPX I/O Carrier Board

The EnsembleSeries™ CCM3012 is a compact, 3U OpenVPX PMC/XMC carrier that provides processor modules high-bandwidth access to additional mezzanine sites via PCIe Gen 3 interfaces.

PMC-X sites	1
PCI support	33 and 66 MHz
PCI-X support	66, 100, and 133 MHz

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



MERCURY SYSTEMS

CCM6020 6U OpenVPX I/O Carrier Board

The EnsembleSeries™ CCM6020 PMC/XMC carrier module expands processing module capabilities by providing high-bandwidth access to additional mezzanine sites.

PMC/XMC sites	2
PCI support	33 and 66 MHz
PCI-X support	66, 100, and 133 MHz
Interface	I2C

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



MERCURY SYSTEMS

Compute Boards

Rugged, secure and safety-certifiable embedded boards for aerospace and defense applications, quick to deploy and readily refreshable.

price on request



MERCURY SYSTEMS

DCM3110 Digital Transceiver

The EnsembleSeries™ DCM3110 is a compact 3U digital transceiver that incorporates low-latency ADC and DAC channels with powerful FPGA processing.

price on request

Compact

SWaP focused, 3U form factor

Highly Configurable

Scalable and coherent

Secure

Trusted and proven

MERCURY SYSTEMS

DCM3220 Digital Transceiver

The EnsembleSeries™ DCM3220 is an agile, OpenVPX digital transceiver in a 3U form factor designed for SWaP-constrained, rugged environments in applications such as unmanned airborne

FPGA	Virtex® Ultrascale+™ VU7P
MPSoC	Zynq ® Ultrascale+™ ZU11EG
DSP slices	7,488
Memory	8 GB DDR4
ADC channels	Two 12-bit
ADC sampling rate	6.4 GSPS
DAC channels	Two 12-bit

price on request [datasheet](#)



MERCURY SYSTEMS

DCM6111 Digital Transceiver

The EnsembleSeries™ DCM6111 is an agile, OpenVPX digital transceiver with integrated BuiltSECURE™ technology, offering a configurable, low-latency, coherent 6U Rx/Tx module.

price on request



MERCURY SYSTEMS

DCM6112 Microwave Transceiver

The EnsembleSeries™ DCM6112 is an agile, OpenVPX digital transceiver with integrated BuiltSECURE™ technology, offering multi-channel, highly-configurable Rx/Tx capabilities.

ADC channels	Four
DAC channels	Four
ADC/DAC rate	3.2 GSPS
FPGAs	Three
Memory	16GB DDR4

[price on request](#)



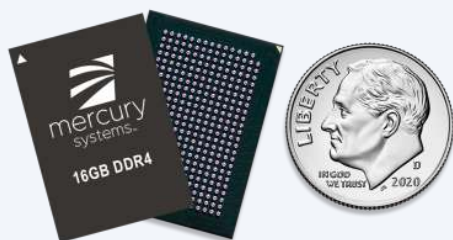
MERCURY SYSTEMS

DCM6212 Digital Transceiver

The EnsembleSeries™ DCM6212 is an agile, OpenVPX digital transceiver with integrated BuiltSECURE™ technology, offering configurable, low-latency, and coherent Rx/Tx capabilities.

Data rate	6.4 GSPS
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[price on request](#)



MERCURY SYSTEMS

DDR BGA Memory

Compact and rugged BGA memory devices optimized for size, weight, and power (SWaP) constrained applications in military and commercial aerospace.

Capacity	128 MB to 16 GB
Data rate	2400 Mb/s
Data bus	72-bit-wide
Moisture-sensitivity level	3

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



MERCURY SYSTEMS

DO-178C Software Development

Mercury Systems offers DO-178C software development expertise for the entire project lifecycle, customizing solutions for avionics manufacturers globally.

[price on request](#)



MERCURY SYSTEMS

EEPROM Memory

Mercury Systems offers military-grade high-density EEPROM and SRAM/EEPROM devices designed to sustain the longevity of legacy military embedded systems.

Type	SRAM/EEPROM
Size	2MB
Organization	128Kx16
Part Number	WSE128K16-XH1X
Data Rate (ns)	35/150, 45/120
Voltage (V)	5
Package Dimensions	66 pin, HIP (package 400) 27.3mm sq.

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



MERCURY SYSTEMS

Embedded NOR Flash

Guarantee reliable system operations in harsh environments with military-grade high-density embedded NOR flash in hermetic packaging.

Model	W764M32V1 - XBX
Density	256MB
Organization	64M x 32
Speed (ns)	110-120 ns
Voltage (V)	3.3
Package	107 PBGA
Temp	I, M

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



MERCURY SYSTEMS

Ferrite Circulators and Isolators

Mercury Systems offers ferrite circulators and isolators optimized for harsh environments, available as off-the-shelf or custom-designed solutions.

Freq Start (GHz)	0.500
Freq Stop (GHz)	36
Isolation dB (min)	12
Insertion Loss (max)	2.4
VSWR	1.12:1
Power (Watts) (peak/avg)	2.5kW/16
Operating Temp Range (°C)	-54 to +85

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



MERCURY SYSTEMS

FPGA IP core graphics accelerator with BuiltSAFE™

A DO-254 safety-certifiable FPGA IP core graphics accelerator designed for flight displays and EFIS in high-criticality avionics applications.

[price on request](#)



mercury

MERCURY SYSTEMS

GPS Filter Amplifiers

Mercury Systems' family of GPS filters/amplifiers is designed for high reliability GPS receivers in mission-critical applications across ground, airborne, missile, and launch/reent

L2 (1227 MHz) Bandwidth	+/-15
L1 (1575 MHz) Bandwidth	+/-15
Gain (dB)	48
Noise Figure (dB)	2
Size (inches)	2.0 x 5.75 x 9.0
Connectors	SMA Female
Dimensions	2.0 x 5.75 x 9.0 inches

price on request

[datasheet](#)



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MERCURY SYSTEMS

GPU Image Integrity Monitoring Functions with BuiltSAFE™

This DO-178C safety-certifiable real-time cockpit display image integrity diagnostic test tool provides independent verification of GPU-produced images for critical avionics applic

price on request



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MERCURY SYSTEMS

GS Multi-Core Renderer with BuiltSAFE™

A DO-178C safety-certifiable multicore CPU OpenGL graphics rendering software library for high-performance in safety-critical aerospace and defense environments.

price on request

[datasheet](#)



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MERCURY SYSTEMS

GS OpenGL library with BuiltSAFE™

Mercury's GS OpenGL library with BuiltSAFE™ technologies provides high-performance graphics drivers for safety-critical embedded computing platforms that employ hardware accelerate

API support

OpenGL ES1.1, SC1.01, ES2.0,
SC2.0

price on request

[datasheet](#)



MERCURY SYSTEMS

GSC6203 6U OpenVPX GPGPU Coprocessing Board

The EnsembleSeries GSC6203 accelerator is a 4th generation 6U OpenVPX module powered by dual NVIDIA Pascal GPUs, with field-proven deployments in commercial and defense programs.

GPU	Dual NVIDIA Pascal P5200E MXM
Cores	5120-cores
TFLOPS	17.8 TFLOPS
Memory	32 GB GDDR5
Bandwidth	230 GB/s
Display Outputs	4x DisplayPort, 2x VGA
Interconnects	PCIe Gen 3

price on request [datasheet](#)



MERCURY SYSTEMS

GSC6204 6U OpenVPX GPGPU Coprocessing Board

The GSC6204 OpenVPX GPGPU Coprocessing Board off-loads compute-intensive functions to GPU coprocessors, providing scalable processing power for complex workloads in commercial and de

GPU	NVIDIA® Quadro® TU104
CUDA Cores	6144
Memory	32 GB GDDR6
Interconnects	PCIe Gen3 and NVIDIA NVLink™
Software Support	NVIDIA, CUDA®, OpenCL™
Environmental Protection	MOTS+ extreme
Compliance	ANSI/VITA 65.0

price on request [datasheet](#)



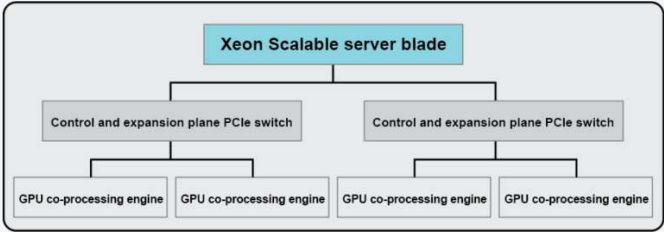
MERCURY SYSTEMS

HDS6603B 6U OpenVPX, SOSA-aligned, Multiprocessing Board

The EnsembleSeries™ HDS6603B is a 6U OpenVPX multiprocessing server blade powered by dual Intel® Xeon® E5 processors with Mellanox ConnectX-3 40 Gb/s Ethernet or InfiniBand switch

Processors	Dual Intel 2.2 GHz 10-core or 1.8 GHz 14-core Xeon (Broadwell) server-class processors
SDRAM	Up to 64 GB DDR4-2133 SDRAM (per processor), 128 GB planned (for 256 GB total blade memory)
Switch Fabrics	40 Gb/s Ethernet or InfiniBand high switch fabrics
PCIe	Gen3 PCIe coprocessing and I/O expansion plane communications
Environmental Protection	MOTS+ extreme environmental protection
Compliance	SOSA aligned and VITA 65 compliant

price on request datasheet



MERCURY SYSTEMS

HDS6605 6U OpenVPX Multiprocessing Board

The EnsembleSeries™ HDS6605 is a 6U OpenVPX multiprocessor board powered by Intel® Xeon® Scalable processor, offering 40 Gb/s or 100 Gb/s Ethernet switch fabrics for extreme enviro

CPU	Intel Xeon Scalable server-class CPU, 1.9 GHz, 22-core
SDRAM per blade	Up to 192 GB DDR4-2666
Ethernet high speed switch fabrics	Up to 100 Gb/s
Co-processing and I/O expansion plane communications	Gen3 PCIe
Environmental protection	MOTS+
Compliance	SOSA aligned and VITA 65 compliant

price on request datasheet



MERCURY SYSTEMS

High-Power SMT Limiters

Mercury Systems' portfolio of high-power RF limiters are precision engineered to deliver uncompromising performance for SWaP-sensitive applications demanding full functionality in

Free Range	8.5 - 12 GHz
Max Pulse Width	5 μ Sec
Peak Power	200 W
Flat Leakage	17 dBm
Dimensions	4mm x 3mm
Frequency range	8.5 to 12 GHz
Duty cycle	6%, maximum

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



MERCURY SYSTEMS

IOM-300 XMC I/O Interface Board

The IOM-300 XMC I/O Interface Board is a highly configurable mezzanine designed to expand embedded streaming capabilities with software-defined sFPDP, 10Gb/s Ethernet, Fibre Channel

I/O Ports	Front panel, 12-channel fiber I/O or 8-channel copper I/O
Interfaces	sFPDP (VITA 17.1), 10Gb/s Ethernet, Fibre Channel and PCIe Gen 3
FPGA	Altera® Stratix® V FPGA with second FPGA for programming and personalized security
Form Factor	Open systems architecture (OSA) XMC
Cooling	Air and conduction cooled
DDR3 SDRAM Capacity	5 GB
Flash memory Capacity	128 MB (typically 3–4 bit stream images)

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



MERCURY SYSTEMS

IOM-400 XMC I/O Interface Board

The IOM-400 embedded streaming I/O module bridges incoming sensor data streams to PCIe connected processors and accelerators, serving as a key building block for subsystems managin

Main user FPGA	Xilinx Ultrascale+ KU11P (default) or KU15P (Industrial Grade)	
DDR4 SDRAM	8 GB	
Flash memory capacity	256 MB (able to hold 2 images)	
PCIe ports to host processor	Gen3 x8 via P15 XMC connector	
Fiber links channels	Up to 24 transmit, 24 receive, or 12 transmit/12 receive	
Fiber type	50/125 µm multi-mode fiber	
XMC P16 ports SERDES	8	

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



MERCURY SYSTEMS

LDS3507 3U OpenVPX, CMOSS/SOSA-aligned, Single Board Computer

The EnsembleSeries™ LDS3507 combines a 12-core Intel® Xeon® D processor with a Xilinx® Zynq® UltraScale+™ ZU19 FPGA to deliver high-performance processing for radar, electronic war

Processor	Intel 12-core Xeon D processor @ 1.5 GHz	
FPGA	Xilinx UltraScale+ ZU19	
Memory	Up to 16 GB DDR4 memory ECC	
Ethernet	40 GbE and 10 GbE	
PCIe	x8 PCIe expansion plane	
IPMC	Smart Fusion 2, VITA 46.11 IPMC	
Operating System	LSP RedHat 7.7, FDK	

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



MERCURY SYSTEMS

LDS3517 3U OpenVPX Single Board Computer

The EnsembleSeries™ LDS3517 is a 3U OpenVPX single board computer (SBC) that delivers high performance signal and mission processing capability.

Main processor	Intel 8-core, 64 bit, Xeon D-1539
FPGA	Xilinx UltraScale XCKU095
System Memory	16 GB DDR4-2133
OpenVPX messages	VITA 48.1 Air-cooled

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



MERCURY SYSTEMS

LDS6525 6U OpenVPX Single Board Computer

The EnsembleSeries™ LDS6525 6U OpenVPX single board computer integrates Intel Core i7 processing, serial RapidIO or 10 Gigabit Ethernet data paths, and dual mezzanine sites for sca

Processor	4th Generation Intel® Core™ i7, quad-core processor (Haswell mobile class)
Switch Fabrics	Software defined FPGA Gen2 Serial RapidIO®, 10 GbE
PCIe Switching	Integrated Gen3 PCIe switching for on/off-board coprocessing
Mezzanine Sites	XMC and XMC/PMC
Environmental Protection	MOTS+ extreme environmental protection
Compliance	VPX-REDI and VITA 65 compliant
Threads per core	2

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



MERCURY SYSTEMS

LDS6527 6U OpenVPX Single Board Computer

The EnsembleSeries™ LDS6527 6U OpenVPX single board computer provides scalable computing for electronic warfare, radar, IMINT, sensor fusion, and AI applications.

Processor	Intel Xeon D 12-core server-class SoC processor with AVX2
Memory	Up to 32 GB DDR4
Switch Fabrics	Mellanox CX-3 bridged Ethernet or InfiniBand high bandwidth
Mezzanine Sites	1x XMC and 1x XMC/PMC
Environmental Protection	MOTS+ extreme
Compliance	VITA 65
Threads per core	2 (24 total per CPU)

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



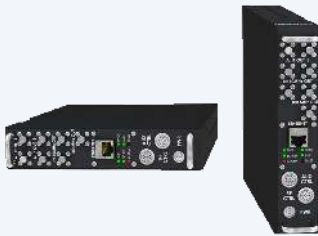
MERCURY SYSTEMS

Low-Noise Amplifiers

Custom and catalog LNA solutions for harsh environments, with broadband, narrowband, and high-frequency options to meet diverse requirements.

Freq Start (GHz)	0.1
Freq Stop (GHz)	40
Gain (dB) min	13
Flatness (±dB) max	0.6
NF (dB) max	0.7
P1dB (dBm) min	8
OIP3 (dBm) nom	15

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



MERCURY SYSTEMS

Low-SWaP RF Converters

Mercury’s SWaP-focused RF frequency converters bring high-performance and mission-to-mission flexibility in harsh, space-constrained environments.

price on request



MERCURY SYSTEMS

Medium-Power, Broadband Amplifiers

Mercury Systems offers a family of distributed amplifiers providing proven, broadband microwave performance up to 40 GHz with solid gain, flatness, noise figure, and output power.

Freq Start (GHz)	0.5 - 6
Freq Stop (GHz)	2 - 20
Gain (dB) min	18 - 37
Flatness (±dB) max	1 - 3.5
NF (dB) max	3.5 - 6.5
PldB (dBm) min	19 - 27
OIP3 (dBm) nom	22 - 36

price on request datasheet



MERCURY SYSTEMS

MFCC-8558 XMC Single Board Computer with BuiltSAFE

The MFCC-8558 with BuiltSAFE™ technology is a DAL-C safety-certifiable single board computer designed for aerospace and defense applications.

Processor	NXP QorIQ T2080 four dual threaded e6500 cores
Memory	4 GB DDR3L at 14.4 GB/s peak with ECC protection
Flash EPROM	4 GB (NAND), 512MB (NOR)
NVRAM	256 KB FRAM
PCIe Gen2 on XMC-P6	3x x1
PCIe Gen2 on XMC-P5	1x x4
SGMII on XMC-P6	1x (DAL-C)

price on request datasheet



MERCURY SYSTEMS

Millimeter-Wave Amplifiers

Mercury Systems offers rugged millimeter-wave amplifier solutions operating at V-band, with standard designs up to 65GHz and custom products available to support high-frequency req

Freq Start (GHz)	40
Freq Stop (GHz)	60
Gain (dB) min	30
Flatness (±dB) max	3
PldB (dBm) min	10
Noise Figure (dB) max	8.5
VSWR (In/Out) nom	3.0:1

price on request datasheet



MERCURY SYSTEMS

MultiCore Plus MathPack Scientific Libraries

Mercury's MultiCore Plus MathPack is a bundled software package providing high-performance scientific algorithm libraries for signal, image, and data processing applications.

Operating systems	Linux, VxWorks, Windows, MCOE™
Processors supported	MPC364xD, IA32 and Intel64
Operating system	Linux®, VxWorks®

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



MERCURY SYSTEMS

Multiplexers and Diplexers

Trusted microwave multiplexers and diplexers for critical signal filtering and routing in the most demanding aerospace and defense applications, including space programs.

Passband 1	1435 - 1540 MHz
Passband 2	1750 - 1850 MHz
Passband 3	2200 - 2290 MHz
Passband 4	2310 - 2400 MHz
Insertion Loss	0.5 dB
VSWR	1.3:1
Isolation	25 dB

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



MERCURY SYSTEMS

Noise Sources

High-performance noise sources ideal for receiver built-in test (BIT), bit error rate (BER) testing, and dithering circuits, available in coaxial and surface mount form factors.

RF Frequency	10 MHz to 18 GHz
Noise Output	25 dB Min ENR
Noise Spectral Density	-149 dBm/Hz
Peak Factor	5:01
Bias Voltage	28 V
Supply Current	25 mA Max
Impedance	50 ohms

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



MERCURY SYSTEMS

RF and Microwave Switches

Mercury's PIN-diode switch family spans the frequency range of 500MHz to 40 GHz, offering high-performance with optional integrated, high-speed TTL or CMOS controlled drivers in a

Frequency	0.5 - 18 GHz
Insertion Loss	3.4 dB MAX
VSWR	2.0 MAX
Isolation	60 dB MIN
Switching Speed	100 nS MAX
Max. RF Power (Operational)	0.5W
Max. RF Power (Survival)	1W

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



MERCURY SYSTEMS

RF Filters

Mercury Systems offers rugged RF high-pass, low-pass, and bandpass filters for radar, EW, GPS/GNSS, and satellite payloads, proven on applications from ground to space.

Passband 1	0.1 – 910 MHz
Passband 2	1680 – 1820 MHz
Insertion Loss	0.3 dB
VSWR	1.5:1
Isolation	50 dB Minimum
RF Power	50 Watts CW
Connectors	APC 7mm

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



MERCURY SYSTEMS

ROCK-2 3U OpenVPX Mission Computer, BUILTSAFE™

The ROCK-2 3U OpenVPX mission computer is designed for space constrained mission-critical applications requiring flight-safety certification, offering comprehensive and reusable De

Form Factor	3U OpenVPX
Certifiability	D0-178C/D0-254 up to DAL-A
Processors	Up to 4x QorIQ™ T2080 or Optional Intel® Core™ i7 or Xeon®
Cooling	Sealed, conduction-cooled
Operating Temperature	-40°C to +70°C
Qualification	D0-160 and MIL-STD-810
Power	40 W Minimum Typical, 150 W, 180 W Maximum

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



MERCURY SYSTEMS

RTM60S 6U OpenVPX I/O Rear Transition and Carrier Module

The EnsembleSeries™ RTM60S is a 6U OpenVPX Ethernet I/O rear transition module and mezzanine carrier, providing configurable rear I/O for switch modules.

RS-232 interfaces	2x
10/100/1000BASE-T Ethernet interfaces	2x
10/100BASE-T Ethernet interface	1x
MicroDB15 interface	1x

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



MERCURY SYSTEMS

SCFE3820 3U OpenVPX FPGA Carrier Board

A single-slot FPGA processing module designed for high performance and agile system integration, ideal for SWaP-focused applications in harsh environments.

Form Factor	Single slot 3U OpenVPX
OpenVPX Interface Architecture	ANSI/VITA 65-2010 (R2013)
Backplane Interface Slot Profile	VITA 65.0 SLT-PAY-2F1F2U- 14.2.1
FPGA Processor	One Xilinx Zynq® Ultrascale+™ ZU11EG governor
Memory	8 GB DDR4 (512M x 16)
IPMI Controller	Vita 46.11

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



MERCURY SYSTEMS

SCFE3821 3U OpenVPX FPGA Board

The EnsembleSeries™ SCFE3821 is a single-slot, OpenVPX™ FPGA processing module designed for high performance and agile system integration, ideal for SWaP-focused applications in ha

Physical	Single Slot 3U OpenVPX form factor
OpenVPX interface architecture	ANSI/VITA 65-2010 (R2013)
Backplane Interface	VITA 65.0 SLT-PAY-2F1F2U-14.2.1 slot profile
FPGA processor	One Xilinx Zynq® Ultrascale+™ ZU11EG governor
FPGA processor (2)	One Xilinx Virtex® Ultrascale+™ VU7P prosecutor
Memory	8 GB DDR4 (512M x 16)

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



MERCURY SYSTEMS

SCFE6110 6U OpenVPX FPGA Board

A configurable FPGA processing module with two FMC sites and integrated BuiltSECURE™ technology, designed for system security engineering.

FMC sites	Two ANSI/VITA 57.4
FMC card support	single and double width
Backplane Interface	VITA 65.0 SLT6-PAY-4F1Q2U2T-10.2.1 Slot Profile
FPGA processors	Two Xilinx Kintex UltraScale KU115 Prosecutors
Governor FPGA	One Xilinx Kintex UltraScale KU115
System Processor	One Xilinx Zynq UltraScale+ ZU9
DDR4 SDRAM per Prosecutor FPGA	4 GB

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



MERCURY SYSTEMS

SCFE6120 6U OpenVPX FPGA Carrier Board

The EnsembleSeries™ SCFE6120 is a versatile OpenVPX™ FPGA processing module designed for high performance and agile system integration, incorporating Virtex® Ultrascale+™ FPGA proc

Dimensions	Single Slot 6U OpenVPX form factor
FMC sites	Two FMC ANSI/VITA 57.4 sites
FPGA processors	Two Xilinx Virtex® Ultrascale+™ VU9P Prosecutors
FPGA processors (2)	One Xilinx Zynq® Ultrascale+™ ZU11EG Governor
Memory	20 GB of DDR4 SDRAM
Max Rate of Change	10°C/min
Operating humidity	5-95%, non-condensing

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



MERCURY SYSTEMS

SCM6010 & CAN6000 6U OpenVPX SSD Storage

The EnsembleSeries™ SCM6010 is a 6U OpenVPX SSD plug-in storage module with PCIe switching and removable canister (CAN6000), offering low-latency storage that performs like memory.

Storage	Up to 24TB
PCIe Lanes	48 x PCIe Gen3
Form Factor	6U OpenVPX
Environmental Protection	MOTS+
System Management	VITA 46.11
Compliance	VPX-REDI and VITA 65
Input voltages	12V payload power

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



MERCURY SYSTEMS

SFM6104 6U OpenVPX, SOSA-aligned, Network Switch Board

The SFM6104 6U OpenVPX network switch board provides comprehensive layer-2 switching and system management for up to 18 OpenVPX payload slots, featuring 40 Gigabit Ethernet or Infini

Form Factor	6U OpenVPX, 1.0" slot pitch
ASIC	Mellanox® 6th gen SwitchX 2 VPI
Bandwidth	40 GbE or InfiniBand
Ethernet Standards	40GBASE-KR4 and 10GBASE-KX4
InfiniBand Standards	FDR-10, QDR, DDR and SDR
Payload Support	Up to 18 payloads
Front I/O	8x Ethernet ports

price on request datasheet



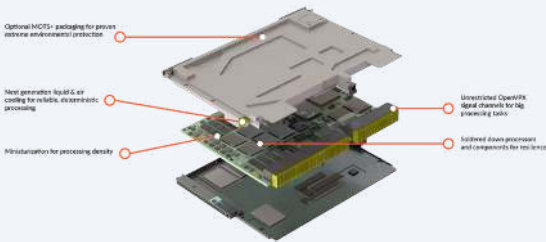
MERCURY SYSTEMS

SFM6105 6U OpenVPX Network Switch Board

The SFM6105 is a 6U OpenVPX network switch board designed for efficient, low-latency PCIe switching with advanced system management capabilities.

PCIe Interfaces	24x x4 PCIe Gen3
PCIe Data Rate Compatibility	Gen2 or Gen1
System Management	VITA 46.11 compliant IPMC
Environmental Protection	MOTS+
Compliance	VPX-REDI and VITA 65
OpenVPX Slot Profile	SLT6-SWH-24F-10.4.3
OpenVPX Module Profile	SLT6-SWH-24H-10.4.3-X*

price on request datasheet



MERCURY SYSTEMS

SFM6126 6U OpenVPX Network Switch Board

The EnsembleSeries™ SFM6126 switch is a critical building block for composable, embedded data center architectures, enabling efficient, low-latency PCIe switching for AI, sensor fu

PCIe Switching	Full Gen3 high-bandwidth
Control Plane Switching	16x ports of 10GbE
I/O Sites	Dual XMC
System Management	VITA 46.11
Fiber Optic Interface	VITA 66 (available)
Environmental Protection	MOTS+
OpenVPX Slot Profile	SLT6-SWH-16U16F-10.4.5

price on request datasheet



MERCURY SYSTEMS

Smart Munitions

The SpectrumSeries™ Compact Multi-Band Platform is a complete sensor chain solution designed for low-cost, high-performance, and small-size hardware in demanding environments.

Diameter	smaller than one inch
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price on request



MERCURY SYSTEMS

Ultra-Low Phase Noise Amplifiers

Broadband microwave amplifiers to 40 GHz designed to minimize system phase noise for critical applications.

Freq Start (GHz)	0.8
Freq Stop (GHz)	3
Gain (dB) min	18
Flatness (±dB) max	1
Phase Noise 100Hz	-150
Phase Noise 1KHz	-160
Phase Noise 10KHz	-166

price on request

[datasheet](#)

Contact Mercury Systems

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

<https://newspacemarket.com/companies/mercury-systems/>

<https://www.mrcy.com>

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