VME Processor Boards

Trusted long-lifecycle computing modules supporting legacy platforms and modernization programs.

	VM6103	VM6062
CPU	L51023 dual/quad-core L51023 ARM	Intel® Xeon® D 2-core Intel® Dual Graphics Mezzanine
SDRAM (MAX.)	4 GByte with ECC	8 GByte with ECC
TARGET APPLICATIONS	< 10 W Electronic Warfare, real-time applications	High performance graphics support
ARM		x 86

Development and Maintenance Access Tools

Rear Transition Modules

PB-VX3-40G-602 Compatible with VX30100, VX307C, VX3060-S2, VX3124*

PB-VX3-401 Compatible with VX3060, VX3106

PB-VX6-0000 Compatible with VX6096, VX6011-S, VX6124*

PBV36-PO-VM6-10 Compatible with VM6103, VM6062

Front Panel Mezzanine Board

FB-VX3-0010 Front panel mezzanine board for VX307H

View our complete portfolio

VPX   VME

*Ask Kontron

Built for Demanding Missions

Kontron's embedded computing boards are designed to simplify integration, reduce program risk, and ensure long-term availability. Our customers choose Kontron because we provide more than boards.

Cybersecure by Design
- SEC-LINE™ baseline ensures trusted boot, data protection, and secure-boot configuration.
- Embedded cybersecurity services support system accreditation and threat resilience.

Smart Monitoring & Maintenance
- CMON-Line™ health-monitoring suite enables redictive maintenance and asset visibility.
- Continuous diagnostic data for improved fleet readiness and reduced downtime.

Long-Term Supply & Support
- Guaranteed configuration control, component management, and lifecycle planning.
- Local program management and engineering support in Europe and North America.

Services and Support

Technical assistance & technology evaluation:
✉ support.KFR@kontron.com

Configuration control & Asset management services Long Term deliveries & Warranty Extensions, COTS tailorization & Program Management:
✉ sales.KFR@kontron.com

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Embedded Computing Boards - VME & VPX

Modular · Scalable · Rugged

Processor Boards · Networking · I/O · Carriers · Power · Backplanes · Chassis · Dev & Maintenance Tools

kontron

Open Standards. Rugged Performance. Global Expertise.

Kontron delivers a complete portfolio of VPX and VME embedded computing building blocks aligned with open architecture standards, including SOSA®, CMOSS, and the VITA family of specifications such as OpenVPX. Supported by global engineering teams and manufactured in Europe and North America, these boards ensure interoperability, long-term lifecycle and reliable performance for mission-critical systems.
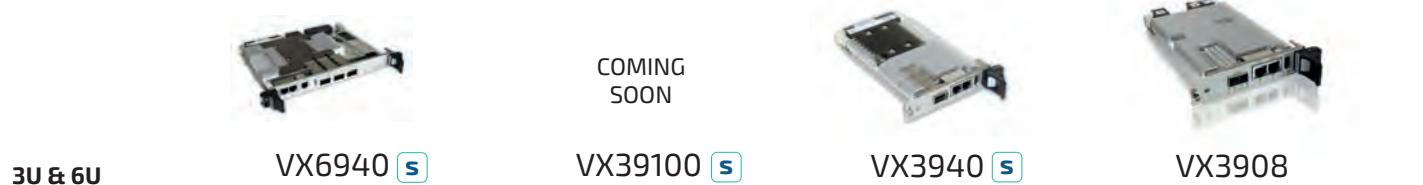
Processor Plug-In Cards

	VX307H [S]	VX307C [S]	VX3124	COMING SOON VX30100 [S]	VX3060-S2 [S]	VX3060	VX3106
3U							

	SERVER CLASS			POWER EFFICIENT			LOW SWAP-C
SLOT PROFILE	COMPUTE INTENSIVE (14.6.11/14.6.13)	I/O INTENSIVE (14.2.16)				I/O INTENSIVE (14.2.3)	
CPU	12,16 & 20-core Intel® Xeon® D-2700/D-2800	8 & 10 -core Intel® Xeon® D-1700/D-1800	16 Arm® Cortex®-A72 cores NXP LX2160A	H404 & H484 Intel® Core Ultra	4-Core Intel® Core 11th Gen	4-Core Intel® Core 11th Gen	4 Arm® Cortex®-A72 cores NXP LS1046A
SDRAM	32-64GB DDR4	32-64GB DDR4	16GB DDR4	32-64GB LPDDR5x	16-32GB DDR4	16-32GB DDR4	8GB DDR4
TARGET APPLICATIONS	HPEC, Radar, Electronic Warfare	Radar, Signal Intelligence, Electro-optical/ Infrared	Secure communications, UxV mission computers	C5ISR, EW, autonomous vehicles	C5ISR, EW	C5ISR, EW	Networking, autonomous vehicules

	VX6096 [S]	VX6124	VX6011-S [S]
6U			
CPU	12,16 & 20-core Intel® Xeon® D-2700/D-2800	16 Arm® Cortex®-A72 cores NXP LX2160A	4-Core Intel® Core 11th Gen
SDRAM	64-128GB DDR4	16GB DDR4	16-32GB DDR4
TARGET APPLICATIONS	High Performance: imaging, radar and embedded server	Secure communications, UxV mission computers	UxV mission computers

Ethernet Switch Boards

	VX6940 [S]	COMING SOON VX39100 [S]	VX3940 [S]	VX3908
3U & 6U				
SLOT PROFILE	10.8.1	14.4.14	14.4.14	14.4.1/14.4.14
ETHERNET SPEED (MAX)	100GbE	100GbE	40GbE	10GbE

[S] Developed in alignment with the SOSA® Technical Standard

I/O & Carrier Boards

VX3406 3U VPX Ethernet Card with 6 independent 1G/2.5G ports featuring TSN support

VX3820 3U VPX MXM Carrier Card for GPU acceleration [S]

VX3810 3U VPX XMC Carrier Card [S]

XMC Ethernet Boards

XMC-ETH10G Up to 4x 10GbE ports Ethernet Mezzanine Card

XMC-ETH6 Six ports 1G/2.5G Ethernet Mezzanine Card

VITA 62 Power Supply Modules

VPX360 High Power VITA 62 VPX Power Supply [S]

VPX340 High Power VITA 62 VPX Power Supply

Backplanes
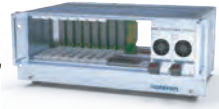
B143070011 3U, 7 slots VPX backplane [S]

B143050010 5 slots VPX backplane [S]

B190308020 8 slots 3U Single Star BKP3-CEN08-15.2.16

Chassis

LMH0000920 High-performance, high-power 19", system for military applications, featuring 2 x 600 W

GPU Acceleration through Strategic Technology Partnership

EIZO Rugged Solutions

Kontron integrates EIZO Rugged Solutions' NVIDIA® GPU technology to deliver high-performance CPU/GPU capability across its VPX portfolio. By combining its own developments with trusted technology partnerships, Kontron delivers best-in-class CPU/GPU options for demanding AI, ISR, and mission-critical applications.