

VME
Continued Support to Legacy Programs

Processor Boards

	VM6103	VM6062
CPU	LS1023 dual/quad-core LS1023 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



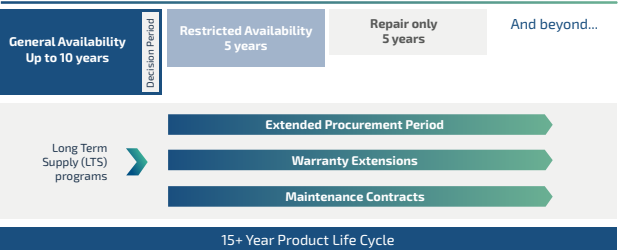
PinOUT Compatibility across processor families



Full ecosystem available for evaluation

- › Extensive I/O support
- › High versatility and customization
- › Long Term Supply
- › Legacy compatibility

Long Term Supply services



Advanced Security
And Monitoring Capabilities

SEC-LINE: cyber-secure
baseline for micro clouds
deployments



- › Secure Boot: restrict boot to signed images
- › Measured Boot through TPM: secure all secrets, prevent device cloning
- › Platform Firmware Resilience: filter malicious traffic through secure FPGAs
- › Software vulnerability watch: receive alerts on discovered vulnerabilities and fixes

CMON-Line: open data health monitoring

- › PBIT Expert: total system coverage, no programming (learn/compare approach)
- › CBIT Monitoring Framework for computer designers, integrators and end-users
- › Fast Boot (for secure boot, see SEC-LINE)

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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VME-VPX Plug-in Cards
and Rugged Systems



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VPX
Processor Boards



3U	VX307H	VX305H-40G	VX307C	VX3060-S2	VX3060	VX305C-40G	VX305X	VX3106
	COMPUTE INTENSIVE					I/O INTENSIVE		
CPU	Intel® Xeon® D-2700/ D-2800	12-Core Xeon®-D	Intel® Xeon® D1700/1800	4-Core Intel® 11th Gen with Gfx Gen12	4-Core Intel® 11th Gen with Gfx Gen12	8 and 12-Core Xeon®-D	8 and 12-Core Xeon®-D	Arm® 4-Core LS1046A
ETHERNET	10/40/100 GETH	40GETH	10/40/100 GETH	10 GETH	10 GETH	10/40GETH	10GETH	10GETH
SDRAM (MAX.)	32/64 GB DDR4 w ECC	16/32 GB DDR4 w ECC	32/64 GB DDR4 w ECC	32 GB DDR4 w ECC	16 GB DDR4 w ECC	16/32 GB DDR4 w ECC	32 GB DDR4 w ECC	8 GB DDR4 w ECC
TARGET APPLICATIONS	HPEC. Computer vision, media processing and crypto applications	Radar, sonar Imaging systems Airborne fighter and UAV radar	HPEC, RADAR, EW	CSISR, EW	Upgrade of legacy applications	Radar, sonar Imaging systems Airborne fighter and UAV radar	Virtual Machines and HPEC applications	Networking and safety applications



6U	VX6096	VX6124	VX6011-S
	COMPUTE INTENSIVE		I/O INTENSIVE
CPU	16 and 20-Core™ Xeon® D-2700/2800		4-Core Intel® 11th Gen with Gfx Gen 12
ETHERNET	10/40/100 GETH		10 GETH
SDRAM (MAX.)	64/128 GByte DDR4 w ECC		32 GByte DDR4 w ECC
TARGET APPLICATIONS	High Performance: imaging, radar and embedded server		CSISR, EW, Mission computers

Rugged Systems

Made in France, ITAR free

HARAKAN-F

Rugged off-the-shelf system for ground military & avionics applications

- Fanless, IP67, natural convection cooling
- 3U VPX SOSA-aligned cards
- Up to two 3U payloads slots
- Compliant to MIL-STD810, MIL-STD1275, MIL-STD461



DARC™ VX208

High performance secure rugged computer

- Intel® Core™i7-1185GRE quad-core processor
- 2x 10GbE LAN ports, optional GPU and dual DVI ports
- Compliant to MIL-STD810, MIL-STD-1275, MIL-STD461



3U Networking boards

- VX3940 32 ports L2/L3 10G/40G/50G Ethernet Switch
- VX3908 8 Ports L2/L3 10G/40G/50G Ethernet Switch
- VX3406 6 ports 1G/2.5G VPX I/O board



6U Networking boards

- VX6940 L2/L3 High performance 40G/100G Ethernet Switch



3U VPX Carrier board

- VX3800 3U PMC/XMC Carrier Card



XMC Ethernet board

- XMC-ETH10G Up to 4x 10GbE ports Ethernet mezzanine card

coming soon

Backplanes

- B143070011 3U, 7 slots VPX backplane



Power Supply

- VPX360 High Power VITA 62 VPX Power Supply



CERES-2402-PTP

26 Ports 1G/10G Ultra Rugged Ethernet Switch

- Fully managed non-blocking L2/L3 switch
- IP65 and fanless operation
- Designed for In-Vehicle and C4I application

