

VME Continued Support to Legacy Programs

Processor Boards

	VM6103	VM6062
CPU	LS1023 «Layerscape» 2-core 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

Power ARM

x86



PinOUT Compatibility across processor families

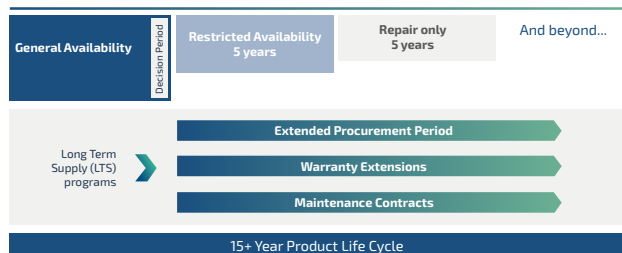
Mezzanine Carrier Rear Transition Module Front Panel I/Os



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



Security building blocks

- › Trusted Boot: remotely detect system software alteration
- › Secure Boot: restrict boot to signed images
- › Trusted Platform Module: secure all secrets, prevent device cloning
- › Approtect: protect application code
- › 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)
- › Live demo at kfrlabs.kontron.com/monitoring.php#Demo

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:
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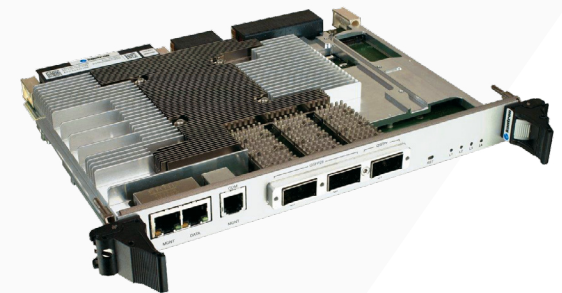
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VPX-VME

Rugged COTS Plug-in Cards and Systems



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kontron

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 L51046A
ETHERNET	10/40/100 GETH	40GETH	10/40/100 GETH	10 GETH	10 GETH	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	Fit for Virtual Machines and HPEC applications	Networking and safety applications



SOSA



VX6124



SOSA

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

NEW DESIGN



HAKAKAN-F

Rugged off-the-shelf system dedicated to ground military & avionics applications

- ▶ Fanless, IP67, natural convection cooling
- ▶ Leveraging on Kontron 3U VPX SOSA-aligned products
- ▶ 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 with 15-years lifetime from 2021
- ▶ 2x 10GbE LAN ports, optional GPU and dual DVI ports
- ▶ Fully sealed enclosure
- ▶ Compliant to MIL-STD810, MIL-STD-1275, MIL-STD461
- ▶ Made in France, ITAR free

3U Networking boards

- ▶ VX3940 32 ports L2/L3 10G/40G/50G Ethernet Switch
- ▶ VX3908 8 Ports L2/L3 10G/40G/50G Ethernet Switch



6U Networking boards

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



3U VPX Carrier board

- ▶ VX3800 3U PMC/XMC Carrier Card



Backplanes

- ▶ B143070011 3U, 7 slots VPX backplane



Power Supply

- ▶ VPX360 High Power VITA 62 VPX Power Supply



SOSA

Developed in alignment with the SOSA™ Technical Standard



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