CONTINUED VME PLATFORM ADVANCEMENTS AND SUPPORT TO LEGACY PROGRAMS

VME PROCESSOR BOARDS

<table>
<thead>
<tr>
<th>VME6103</th>
<th>VME6250B</th>
<th>VM6052</th>
<th>VM6054</th>
<th>VM6062</th>
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<tbody>
<tr>
<td>CPU</td>
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<tr>
<td>LS1023</td>
<td>Intel® Dual Core 3517E</td>
<td>Intel® Quad-Core TM 3610E at 2.1 GHz</td>
<td>Intel Xeon D 2-core Dual Graphics Mezzanine</td>
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<tr>
<td>PINOUT COMPATIBILITY ACROSS PROCESSOR FAMILIES</td>
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</table>

- Power ARM
- X86

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

ASSOCIATED PRODUCTS

- Evaluation System
- Rear Transition Module
- E21-VM6054
- PCLs Carrier
- V2PMC2
- Development Chassis
- PBV36-PO-VM6-00

ADVANCE SECURITY AND MONITORING CAPABILITIES

SEC-Line Secure Embedded Computing

- APPROPLECT: protect application integrity and confidentiality with hardware secure element
- TRUSTED BOOT: protect system software during boot with TPM secure element
- AUTHENTICATION WITH TPM: authenticate system hardware during SSL/TLS secure communication with TPM secure element
- SECURE BOOT: boot only signed software from the BIOS firmware
- SOFTWARE VULNERABILITY WATCH: be informed of software vulnerabilities affecting your configurations in the field and get fixes when available

CMON-Line, Control and Monitoring for Mission Computer

- PBIT Expert: total system coverage, no programming (learn/compare approach)
- Monitoring Framework for computer designers, integrators and end users
- Synthetic system status check from customizable health sensors list
- Extensive coverage: hardware, software, peripheral and external elements
- Fast Boot: when every second counts

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POSSIBILITIES START HERE

Visit www.kontron.com/vme for our complete portfolio
COTS, Modular and Rugged VPX Solutions for High Processing Applications with SWaP Constraints

VPX PROCESSOR BOARDS

**FORM FACTOR**
- 6U VPX
- 3U VPX

**CPU**
- Dual processor Intel® Xeon® D 8-Core / 12-Core
- Intel® Xeon® D 8-Core / 12-Core
- Intel Xeon-D 8-Core / 12-Core
- Intel® Xeon® D 8-Core
- Intel® Xeon® D 8-Core
- Intel® Xeon® D 8-Core
- Intel® Xeon® D 8-Core

**SDRAM (MAX.)**
- 16 GB with ECC
- 16/32 GB with ECC
- 16 GB with ECC
- 8 GB with ECC
- 8 GB with ECC
- 8 GB with ECC

**TARGET APPLICATIONS**
- High Performance; imaging, radar and embedded server
- Fit for Virtual Machines and HPEC Applications
- Value Line general purpose SBC: 10G/40G upgrade of 1G Ethernet switched signal processing systems.
- Real-time applications and Secure & Safety Systems
- Low power general purpose solution for SWaP-C constrained embedded applications

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- Dual processor Intel® Xeon® D 8-Core / 12-Core
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**VALUE LINE**

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**VPX PERIPHERALS AND I/O BOARDS**

**3U VPX SWITCHES**
- VX3920 High End L2/L3 OpenVPX 10/40G Switch
- VX3910 High End L2/L3 OpenVPX Switch
- VX3905 PCI Express and Ethernet Hybrid Switch

**3U VPX CARRIERS**
- VX3836 Xilinx® Virtex®-6 FPGA Processor Board with FMC Site
- VX3830 Xilinx® Virtex®-5 FPGA Processor Board with FMC Site
- VX3800 PMC/XMC Carrier Card

**3U VPX GPU/GPGPU**
- VX3327 AMD Radeon™ E6760 GPU board

**STREAMLINING DEVELOPMENT TO DEPLOYMENT**

EZ Platforms for Evaluation and Development
- Plug and Play, Ideal for Evaluation and Software Development
- Air-Cooled Laboratory Environment
- Pre-Installed Linux or VxWorks

ApexVX - Multi-Mission Rugged Computer System
- Pre-qualified COTS solution
- Flexible design, conduction-cooled structure
- 5-slot 3U VPX system
- PBIT System Test Innovative learning model

StarVX – Pre-qualified HPEC Platform
- Compact 3U VPX Air and Conduction Cooled solution
- Turnkey linux parallel system with 4th generation Intel® Core™ and Xeon™ processor boards

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