VME and VPX Evaluation and Development Platforms

» Plug and Play, no Hardware Knowledge needed
» Ideal for VME and VPX Evaluation and Software Development
» Air-Cooled Laboratory Environment
» Pre-Installed Linux or VxWorks
Best-fitted Tool for Hardware Evaluation and Software Development

Kontron provides a solution for a quick entry into the evaluation and development of VME and VPX applications. EZ turnkey platforms are compact air-cooled rack systems with pre-integrated VME or VPX board along with the associated rear transition module (RTM) and pre-loaded software. Engineers with no prior VME or VPX expertise can start application development in seconds.

Complete Set for a Quick Start

» Pre-loaded Software:
  Linux or VxWorks
  » Pre-installed Benchmarks

Kontron EZ Evaluation and Development Platforms are:
» delivered with the necessary equipment and pre-loaded software,
» based on a PowerPC or Intel SBC running Linux or VxWorks,
» compatible with many extensions thanks to their modular design based on standards,
» ready to use in seconds by just adding standard office peripheral equipment (screen, keyboard, mouse, and network).

Each EZ Platform includes:
» one computer rack and associated boards,
» Getting started and Quick Start documentation,
» one power supply cable,
» one serial cable,
» one DVD-ROM or CD-ROM Fedora or VxWorks.

Software Included

EZ Platforms are delivered pre-loaded with a complete Fedora Linux or VxWorks distribution augmented with the relevant board support package which covers features such as:
» Control GPIO lanes on backplane,
» VXFabric™ Inter-CPU communication library (IP sockets on PCIe), for VPX Platform

Host bridge watchdog management,
» Temperature sensors,
» Board VPD (Vital Product Data) information,
» R/W and DMA to PCIe backplane library.

Pre-installed Benchmarks

Kontron EZ Evaluation and Development Platforms are designed to quickly benchmark and develop on Kontron innovative solutions. Sample benchmarks can help you get the current performances of the system.

For instance on VX3044 EZ Platform, lmbench covers most the classical OS aspects; iperf will measure networking performance on TCP/IP socket on ETHERNET. Using iperf on top of VXFabric™ is the best way to assess its performance. Other benchmark samples are netperf, dhrystone, iozone.

Turnkey Solutions with Key Partners

Kontron offers EZ Platforms with Wind River VxWorks LiveUSB Evaluation Kit, providing a specially configured evaluation environment. This solution covers both the target board and the development system.

Service

» Specific EZ hotline channel.

Ordering Information

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<tr>
<th>3U VPX</th>
<th>Intel® Core™ i7 3rd Gen - VX3042/VX3044</th>
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<tbody>
<tr>
<td>Pre-loaded Linux Fedora</td>
<td>EZ1-VX3042-00-L (dualcore 4GB DDR3)</td>
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<td>EZ1-VX3044-00-L (quaddcore 8GB DDR3)</td>
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<td></td>
<td>EZ1-VX3044-A0-L (on request; dual VX3044, 10 GbE, PCIe3 x8)</td>
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6U VME/VPX

| | VME PowerPC 8640 - VM6250 |
| | Pre-loaded VxWorks 6.9 |
| Please ask |

6U VME/VPX

| | VME Intel® Core™ 17 - VM6050 |
| | VME Intel Core 17 3rd Gen. - VM6052, VM6054 |
| Linux Preloaded Fedora | EZ1-VM6050-00-L |
| | EZ1-VM6052-00-L (dual-core, 8GB DDR3) |
| | EZ1-VM6054-00-L (quadd-core, 8GB DDR3) |

Hybrid VxWorks/Linux with Preloaded VxWorks 6.6 and Linux Fedora

| EZ1-VM6250-00-L/V |

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