

» EZ Platforms «



VPX **OpenVPX**™ **VMEbus**
Technology™

VME and VPX Evaluation and Development Platforms

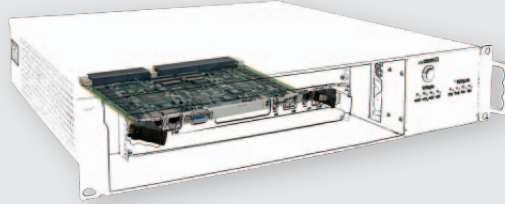
- » Plug and Play, no Hardware Knowledge needed
- » Ideal for VME and VPX Evaluation and Software Development
- » Air-Cooled Laboratory Environment
- » Pre-Installed Linux or VxWorks

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



Power Supply Cable



Serial Cable

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

3U VPX

Pre-loaded Linux Fedora

Intel® Core™ i7 3rd Gen - VX3042/VX3044

EZ3-VX3042-00-L (dualcore 4GB DDR3)
EZ3-VX3044-00-L (quadcore 8GB DDR3)
EZ3-VX3044-A0-L (on request; dual VX3044, 10 GbE, PCIe3 x8)

Pre-loaded VxWorks 6.9

Please ask

6U VME/VPX

Linux Preloaded Fedora

VME PowerPC 8640 - VM6250

EZ1-VM6250-00-L

VME Intel® Core™ i7 - VM6050

EZ1-VM6050-00-L

VME Intel Core i7 3rd Gen. – VM6052, VM6054

EZ1-VM6052-00-L (dual-core, 8GB DDR3)
EZ1-VM6054-00-L (quad-core, 8GB DDR3)

Hybrid VxWorks/Linux with Preloaded
VxWorks 6.6 and Linux Fedora

EZ1-VM6250-00-L/V

CORPORATE OFFICES

Europe, Middle East & Africa

Lise-Meitner-Str. 3-5
86156 Augsburg
Germany

Tel.: + 49 821 4086-0
Fax: + 49 821 4086-111
info@kontron.com

North America

14118 Stowe Drive
Poway, CA 92064-7147
USA

Tel.: +1 888 294 4558
Fax: +1 858 677 0898
info@us.kontron.com

Asia Pacific

17 Building,Block #1, ABP.
188 Southern West 4th Ring Road
Beijing 100070, P.R.China

Tel.: +86 10 63751188
Fax: +86 10 83682438
info@kontron.cn

