

» EZ3-VX3230 «



Turnkey PowerPC VPX Platform

- » Instantaneous VPX Evaluation and Software Development
- » 1 GHz Freescale MPC8544 SBC
- » Air-Cooled Laboratory Environment
- » Configured for Linux or VxWorks USB Evaluation Environment
- » 3 VITA 46 Slots for Extensions
- » Conduction Cooled Version on Request

3U VPX Turnkey System

Kontron EZ3-VX3230 Evaluation and Development platform is designed to make the first contact with the VPX standard as easy as possible.

This small air cooled 3U VPX rack is fitted with a Kontron VX3230 single board computer and its rear transition module. Powered by a Freescale MPC8544 1GHz CPU, this board offers 1 GB of main memory.

Out-Of-Box Experience with Linux or VxWorks

Kontron EZ3-VX3230 system is delivered with pre-installed software located on the USB SDD fitted to the SBC.

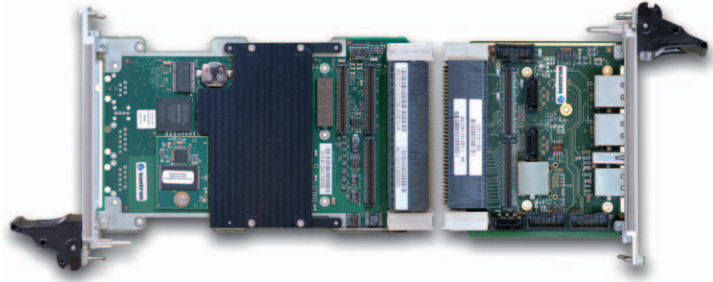
LINUX:

The EZ3-VX3230-00-L boots a complete PowerPC Fedora 9 distribution augmented with the VX3230 board support package. This board support package covers the following features

- » Control GPIO lanes on backplane
- » Host bridge watchdog management
- » Temperature sensors (standard „sensors“ Linux support)
- » Board VPD (Vital Product Data) information
- » R/W and DMA to PCIe backplane library is available separately

VXWORKS:

EZ3-VX3230-00-V is prepared for the Wind River VxWorks LiveUSB Evaluation Kit. With it, the development PC boots

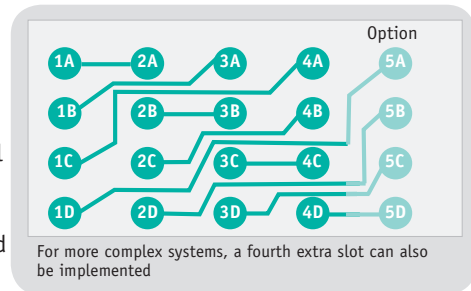


directly into Workbench-3.2 IDE and connects to EZ3-VX3230 running VxWorks-6.8. This setting allows to run application code on a 3U VPX board in just minutes. (more info on <http://www.windriver.com/announces/embedded-development-kits/>)

Ideal VPX Baseline

The VPX Backplane offers 4 VITA 46 slots, all equipped with RTM connectors. Power is supplied to 3.3V and 5V VPX rails on P0.

The backplane topology offers full mesh PCIe connection from the SBC backplane port (in slot 1) to the adjacent slots as described beside. These slots can be populated with VPX boards such as VX3030.



System Technical Information

CPU	Freescale PC8544 @ 1 GHz - 1 GB DDR2 - 533 SDRAM with ECC
Storage	Onboard USB FLASH mezzanine slot
Connectivity (Front)	USB 2.0 port, 2 GETH ports, serial ports
Connectivity (Rear)	Faceplate: 2 GETH (or at the front, BIOS configurable), 1 USB 2.0 ports, 2 Serial ports (COM1) 8 GB USD SDD, 1 Serial
Operating Temperature	0° to 35° C
Size	300 (L) x 185 (l) x 195 (h)
Power	200 Watts

Ordering Information

Article	Part.-No.	Description
EZ3-VX3230	EZ3-VX3230-00-L	3U VPX system with Freescale MPC8544 SBC with 9 Fedora PPC Linux. No PMC slot on SBC, SBC I/O on Front Panel and RTM
	EZ3-VX3230-0P-V	3U VPX system with Freescale MPC8544 SBC preloaded with VxWorks-6.6 to use with Workbench-3.0: PMC slot on SBC, SBC I/O via RTM
	EZ3-VX3230-00- 1K	3U VPX system with Freescale MPC8544 SBC with Workbench 3.2 and VxWorks 6.8LiveUSB Evaluation Kit

CORPORATE OFFICES

Europe, Middle East & Africa

Oskar-von-Miller-Str. 1
85386 Eching/Munich
Germany
Tel.: +49 (0)8165/ 77 777
Fax: +49 (0)8165/ 77 219
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

