

» EZ3-VX3035 «



Quick Start

SD.DT.F95-3e - December 2012

» Ordering Information

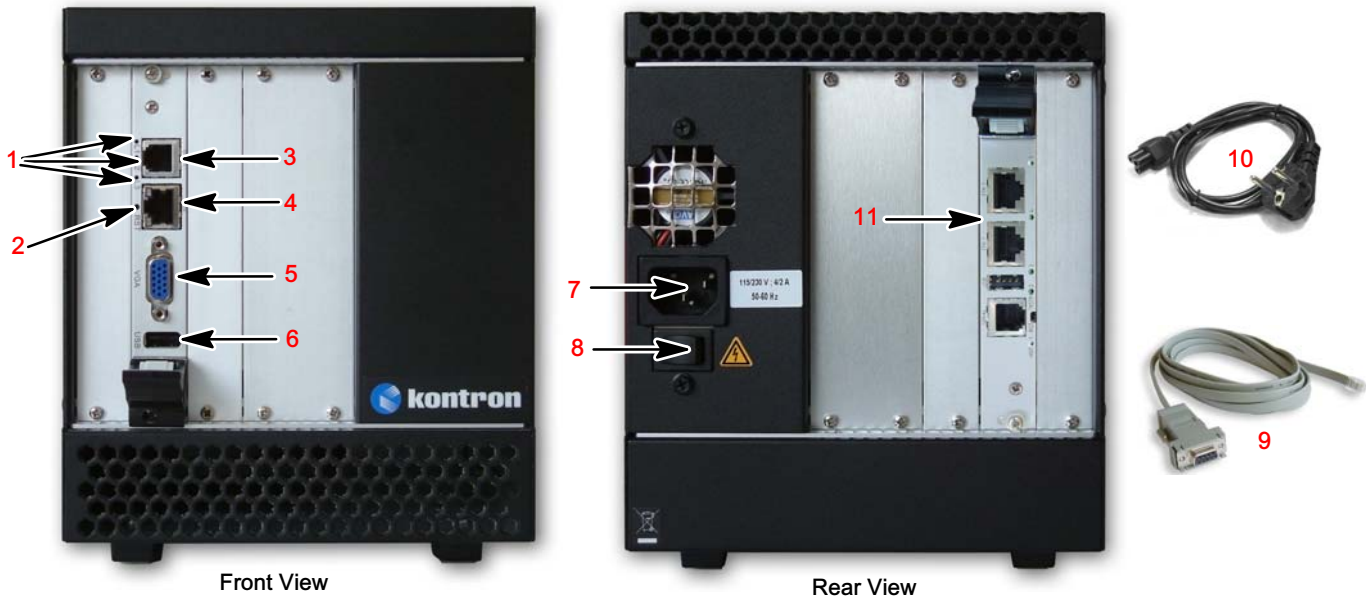
System type EZ3-VX3035

- ▶ EZ3-VX3035-04-L 3U VPX Intel® Core™ i7 Computer. Linux software version.
- ▶ EZ3-VX3035-08-L 3U VPX Intel® Core™ i7 Computer. Linux software version.

Also available with VxWorks and Windows. For more information contact Kontron.



To use additional SATA peripherals, the RTM (Rear Transition Module) is required.
The ordering code for the RTM is PB-VX3-011



- | | | |
|---------------------------|---------------------------|-----------------------------------------------------------------------------------------|
| 1. Status LEDs L1, L2, L3 | 5. VGA | 9. KIT_RJ12DB9 |
| 2. Reset Button | 6. USB | 10. Power Supply Cable |
| 3. Serial Connector COM1 | 7. Power Supply Connector | 11. Optional RTM required to use additional SATA peripherals
Order Code : PB-VX3-011 |
| 4. Gigabit Ethernet ETH | 8. AC Switch | |

EZ3-VX3035 is ready to use: its factory settings can get you to a shell prompt under Linux OS or VxWorks in a few seconds.

See the EZ3-VX3035 Getting Started Documentation (SD.DT.G05) for a detailed system description.

» Embedded software information

Operating system :

- ▶ Linux Fedora 14 64 bit (Kernel-2.6.35.6)
- ▶ VxWorks

» Plug

To connect the EZ3-VX3035 3U VPX Intel or x86 Computer, you need to connect the following cables:

- ▶ the Power Supply Cable (10) in the Power Supply Connector (7)
- ▶ the Serial Cable KIT-RJ12DB9 (9) in the Serial Connector (3)
- ▶ VGA Display: a display can be attached to the VGA port (5) for graphics console interface
- ▶ USB: graphics console mouse and keyboard use this port (6). You may have to use a USB hub.

» Play - Start the system

The ON/OFF button is located on the rear (8) panel of the EZ3-VX3035 system.

- ▶ Power on the main power supply module, AC Switch on the rear side of the system (8).

» Play – Evaluate the system

- ▶ Pre-Installed Benchmark:

Lmbench is a suite of benchmark interesting especially for memory bandwidth and latency. To launch the benchmark, the path is `/usr/share/vx3035_benchmark`

- ▶ PBIT(Power on Built In Test):

Tests a computer platform prior to launch the main software. Can be launched from the BIOS and quickly evaluated using its interactive mode. PBIT is optional for each SBC and is always part of Easy Evaluation Systems.

» Linux System Parameters

- ▶ Root account login: root
password: kontron
- ▶ Guest account login: guest
password: guest

▶ Networking

EZ3-VX3035 has one ethernet port configured, named `eth2`.

`eth (4)` (hardware name: ETH2) is configured with a private static IP of 192.168.1.1.

▶ System Storage

System is installed on a mezzanine USB flash. Storage is organised with a small `/boot` partition and a large `/` partition spanning the rest of the disk.

▶ Serial Line / Console Output

EZ3-VX3035 front panel serial line is managed by Linux and a login prompt is offered on it .

Characteristics of the serial line:

Baudrate: 115200 - Parity:None -
Data Bits: 8 - Stop Bit: 1
Flow Control: None

» Display

Graphical display is provided through the VGA connector. However boot loading is only displayed through `ttyS0` console.

» Play - Stop the system

- ▶ Shutdown the Operating System.
- ▶ Power off the main power supply module (AC Switch on the rear side of the system) (8).