» EZ2-VX6060-00-L «

Quick Start

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» Overview

EZ2-VX6060-00-L, 6U VPX Intel® Core™ i7 Computer, comes ready to use. For each sub-system: CPU-A and CPU-B, its factory settings can get you to a shell prompt under Linux OS in a few seconds.

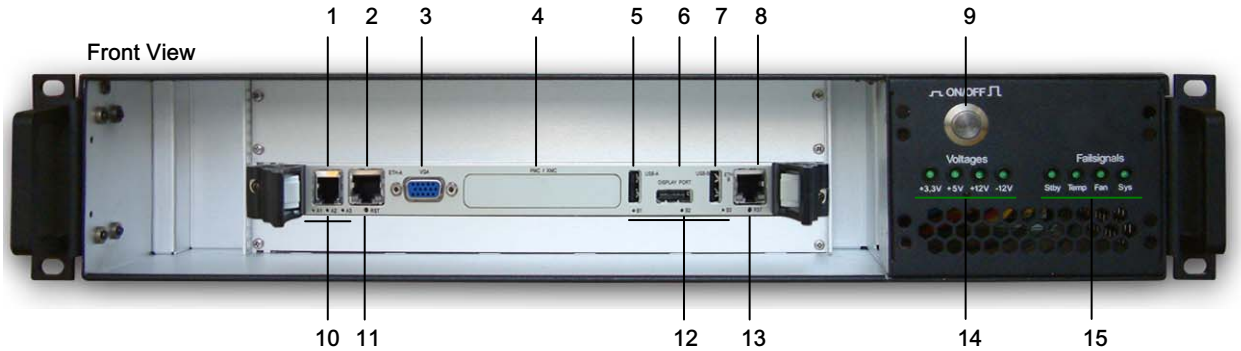
See the EZ2-VX6060 Getting Started Documentation (SD.SD.F65) for a detailed system description.

» Plug

To connect the VX6060 Computer, you need to connect the following cables:

- the Power Supply Cable (19) in the Power Supply Connector (16)
- a graphics screen via the VGA CPU-A (3) or the DisplayPort CPU-A (6) Connector to access CPU-A sub-system
- the Serial Cable KIT-2X-RJ12DB9 (18) in the Serial Connector (1) using the CPU-B ending to access CPU-B sub-system

Front View



Rear View

Accessories

1. Serial Connector COM-AB
2. Ethernet CPU-A
3. VGA Port CPU-A
4. PMC/XMC Slot
5. USB CPU-A
6. DisplayPort CPU-A
7. USB USB-AB
8. Ethernet ETH-SW
9. ON/OFF Button
10. Status LEDs CPU-A L1, L2, L3
11. Reset Button CPU-A
12. Status LEDs CPU-B L4, L5, L6
13. Reset Button CPU-B
14. Chassis Management LEDs: Voltage
15. Chassis Management LEDs: Fail Signals
16. Power Supply Connector
17. Rear Door
18. Serial Cable (KIT-2X-RJ12DB9)
19. Power Supply Cable

Play - Start the system

The ON/OFF button (9) is located on the front panel of the EZ2-VX6060-00-L system.

Power on the system. The system will automatically boot under Linux OS. A graphics display screen will be available to access CPU-A and a serial terminal to access CPU-B.

Linux System Parameters

- Root account — login: **root** / password: **kontron**
- Demo account — login: **demo** / password: **demo**
- Networking

EZ2-VX6060-00-L has three ethernet ports configured, for each sub-system, named **`eth0, eth1`** and **`eth2`**.

`eth2` (2) on CPU-A is configured to request its IP address and parameters from a DHCP server at system boot. Use it if your network provides a DHCP service.

If you plugged the network cable only after boot, please use `ifup eth2` command to restart the configuration process with the server.

`eth0 and eth1` on CPU-A are aggregated in order to increase the bandwidth through a new port **`bond0`**. **`bond0`** on CPU-A is configured with a fixed IP address `bond0 192.168.1.1`. CPU-A is a diskless server under `192.168.1.0` network.

`eth0 and eth1` on CPU-B are aggregated in order to increase the bandwidth through a new port **`bond0`**. **`bond0`** on CPU-B is configured to request its IP address and parameters from the DHCP CPU-A server at system boot. Resulting IP address is `192.168.1.2`.

`eth2` on CPU-B is not configured. Users can easily configure **`eth2`** for a specific network with the **`ifconfig`** command.

Internal network `192.168.1.0` is accessible through the front panel ETH--SW (8) .

- Disk Storage

Disk storage is organised with a small **`/boot`** partition and a large **`/`** partition spanning the rest of the disk.

CPU-B is configured, through PXE, as a diskless client of CPU-A.

- Serial Line / Console Output

EZ2-VX6060-00-L 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

Play - Stop the system

- Shutdown the Operating System on CPU-B, and CPU-A.
- Power off the main power supply module (9).