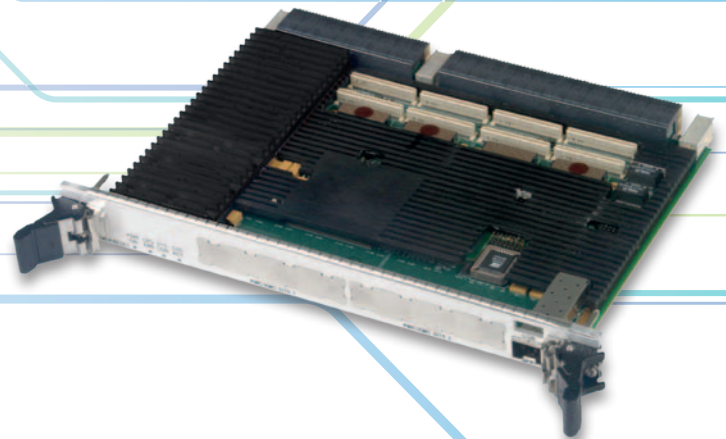


## CPU 111-10 (VPQ/VRQ)

- OpenVPX Compatible
- Quad Core Intel Xeon
- Integrated 12-port Gb Ethernet Switch
- MIL-STD-810F version
- Convection and Conduction cooled
- Open VPX Profile: MOD6-PAY-4F2T-12.2.2.4



### FEATURES

**Open VPX compatible** – The CPU 111-10 is Open VPX compatible, with a MOD6-PAY-4F2T-12.2.2.4 profile. It is a Payload Module with 4 fat pipes (10 GBase-BX4) and two thin pipes (1000Base-T).

**High Performance** – With an Intel Quad-core Xeon CPU and up to 4GB of DDR2 RAM, the CPU 111-10 delivers very efficient computational capacity.

**10Gb Ethernet Switch** – The CPU 111-10 has an integrated 12-port 10Gb Ethernet switch providing full-mesh that allows integrated up to 8 CPU 111-10 boards in a single chassis

**MIL-STD Versions** – The CPU 111-10 is offered in versions that support wedge locks for high shock and vibration immunity, and conduction-cooling. Conformal coating is available for all versions.

- Defense
- Homeland Security
- Aerospace
- Industrial
- Transportation

The CPU 111-10 is a high performance Single Board Computer (SBC) based on the 6U VPX (VITA 46) form factor and compatible with the OpenVPX standard. Offered in both convection cooled and ruggedized conduction cooled variants, the CPU 111-10 meets the needs of numerous applications, in markets such as Defense, Industry and Transportation.

At the heart of the CPU 111-10 is one quad-core Intel L5408 Xeon Processor, with up to 4 GBytes of DDR2 SDRAM

The CPU 111-10 provides unparalleled data processing capabilities. It supports two fully capable PMC/XMC sites with extensive User I/O. An on-board 10 Gigabit Ethernet Switch provides full-mesh backplane datalayer interconnectivity, allowing up to eight CPU 111-10 SBC's to be integrated into a single chassis without the use of an additional switch board.

An on-board, dual 10 Gigabit Ethernet controller, connected to the internal 10 Gigabit Ethernet Switch supports the IEEE 1588 Precision Time Protocol standard allowing all node boards to be synchronized in the sub-microsecond range; additionally, a dual 1 Gigabit Ethernet controller provides 1000Base-T or 1000BASE-KX connectivity to the backplane via the VPX P4 connector.

For convection cooled applications, the CPU 111-10 provides a front panel SFP+ port supporting CX4 copper and Fiber applications for chassis-to-chassis and rack-to-rack communications.

