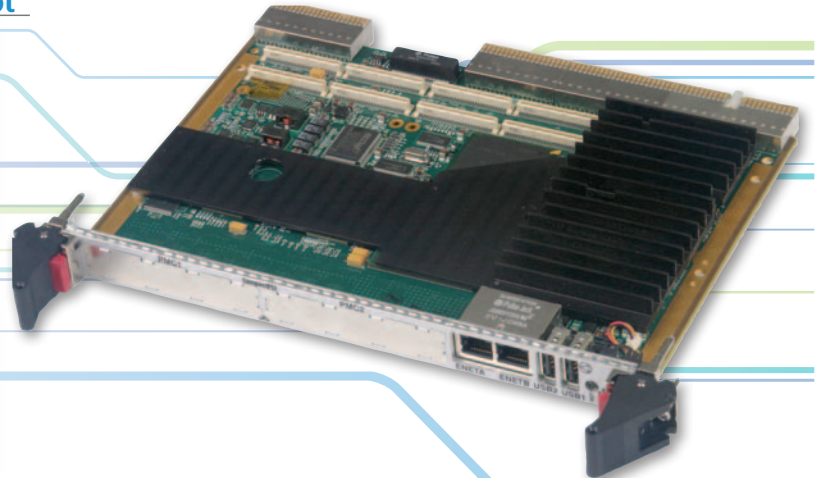


## CPU 41-10 (EPD)

- 6U CPCI Express form factor
- PICMG 2.16 compatible
- Pentium Core-Duo Processor @ 1.66 GHz
- Supports two PMC sites (1x PMC/XMC)
- Single Slot, with option for additional 1 slot storage module
- RTM available for rear I/O support



## FEATURES

**CPCIe Compatible** – 6U CPCI Express form factor per PICMG EXP.0 system slot specification latest revision

**High Performance and Low Power** – Dual core processing at 30W typical power consumption (1.66 GHz processor) enables cool operation, even at extended temperature operation.

**Drive Carrier**– Supports the following devices in drive bays ATA-100 1.8" HDD, ATA-100 2.5" HDD, SATA 2.5" HDD CompactFlash, Slim-line ATA CD-ROM, Slim-line ATA DVD, Slim-line ATA CD-RW

**RTM** – Full rear transition board expansion

**Defense  
Homeland Security  
Aerospace  
Industrial  
Transportation**

The CPU 31-10 is a 6U single-slot Compact PCI (PCMG 2.16 compatible) platform based on the Intel® Core™2 Duo Mobile Processor L7400 at 1.5 GHz or the T7400 at 2.16 GHz . The CPU 31-10 takes advantage of the Core2-Duo's low 17 W power consumption (at 1.5 GHz) as a rugged Single Board Computer (SBC) and it is optionally available as a conduction-cooled Compact PCI module with wedge locks and a full-board heat sink for high shock/vibration environments and temperature extremes.

The E7520 Memory Controller Hub (MCH) and 6300ESB I/O Controller Hub (ICH) chipset supports PCI-X and PCIe expansion, USB 2.0, ATA/100, and Serial ATA (SATA). Two Gb Ethernet ports and two USB 2.0 ports are accessible from the front panel in addition to two PMC bezels. 16 GB of on-board Flash permits single-slot booting. Two PICMG 2.16-compliant, 10/100/1000BaseTX ports are routed to the backplane. Two SATA ports, VGA video, up to four COM ports, an optional IDE interface, PS/2 mouse & keyboard, and two more USB 2.0 ports are routed to the backplane. Two PMC-X site is provided for additional I/O expansion. One of the sites is XMC compatible and supports x8 PCIeexpress. Conventional PC I/O is accessible with industry-standard connectors on optional rear I/O modules.

