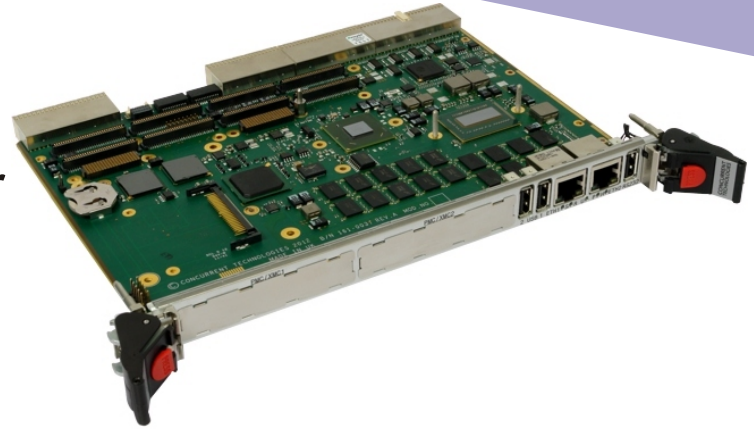


3rd Generation Intel® Core™ Processor Single/Dual PMC/XMC Carrier



APPLICATIONS

The PP 93x/x1x is a PC-compatible, high functionality, 6U CompactPCI® board supporting the 3rd generation Intel® Core® processor and the Mobile Intel® QM77 Express Chipset with up to 16 Gbytes of DDR3 ECC DRAM. This board can support one or two PMC/XMC sites and features a variety of interfaces including four Gigabit Ethernet ports, two SATA channels, up to three serial channels and up to five USB ports. The PP 93x/x1x

is a commercial air-cooled board, suitable for a range of environments within industrial control, transportation, security, telemetry, scientific and medical applications. The board supports I/O plug compatibility with the popular PP 83x/x9x and PP 432/05x families. To simplify the board's integration many industry standard operating systems are supported.

HIGHLIGHTS

- 3rd generation Intel® Core™ processor:
 - 4-core 2.1 GHz Intel Core i7-3612QE processor
 - 2-core 2.5 GHz Intel Core i7-3555LE processor
 - 2-core 1.7 GHz Intel Core i7-3517UE processor
- Up to 16 Gbytes DDR3-1600 DRAM with ECC
- Single or dual PMC/XMC site with front and rear I/O:
 - 32/64 bit, up to 66MHz/100MHz PCI/PCI-X operation
 - supporting x4/x8 PCI Express® XMC
- High-performance mass storage interfaces:
 - 2 x SATA300 ports via J5
 - 1 x SATA600 port for optional on-board 2.5-inch mass storage drive
 - onboard CompactFlash® socket
- Dual Gigabit Ethernet front panel interfaces
- Dual Gigabit Packet Switching Backplane (PICMG 2.16)
- Up to 3 x serial interfaces
- Up to 5 x USB 2.0 ports
- Watchdog timer and Long Duration Timer
- CompactPCI Controller:
 - Operates in system or peripheral slot
 - 32/64-bit at 33/66MHz Compact PCI interface
 - Option to disable CompactPCI bus (Satellite Mode)
- IPMI (Intelligent Platform Management Interface):
 - PICMG 2.9 (System Management Specification)
- Extended temperature versions:
 - -25°C to +70°C (E-Series)
 - -40°C to +85°C (K-Series, includes humidity sealant)
- Optional high-resolution DVI-I graphics interface via the front panel
- Support for Linux®, Windows® 7, Windows® Embedded Standard 7, Windows® XP, Windows® XP Embedded, Windows® Server 2008 and VxWorks®
- Rear I/O compatible with the popular PP 83x/x9x and PP 432/05x families
- Single slot

