

## Dual Intel® Xeon™ Processors Single Board Computer



### APPLICATIONS

The PP 221/01x is a PC-compatible high performance based CompactPCI® processor board supporting two Low Voltage Intel® Xeon™ processors. Featuring a selection of memory options, an optional on-board hard disk drive and a variety of interfaces, the board is suitable for a range of high-performance applications within the industrial control, telecomms, telemetry, scientific and aerospace markets. Its functionality can be further increased through the use of PMC modules.

### HIGHLIGHTS

- Dual 2.4 GHz or dual 2.0 GHz Low Voltage Intel Xeon processors:
  - up to 533 MHz Front Side Bus
  - Intel® Pentium® 4 processor architecture
  - on-die L1 cache
  - 512 Kbytes on-die L2 cache
  - hyper threading, NetBurst™ Microarchitecture
  - no CPU fan required
- Up to 4 Gbytes DDR SDRAM (with ECC)
- 1 x PMC module interface (32/64-bit at 33/66 MHz)
- High performance Ultra 160 SCSI interface
- High performance EIDE interfaces with optional on-board disk drive or CompactFlash™/Microdrive™ interface (in a single-slot)
- 2 x 10/100/1000Mbps Ethernet interfaces
- Dual Gigabit Packet Switching Backplane (PICMG 2.16)
- 512 Kbytes of BIOS Flash EPROM
- CompactPCI controller:
  - operates in left hand system slot
  - operates in peripheral slot
  - 32/64-bit at 33/66 MHz CompactPCI interface
- Option to bypass CompactPCI bus (Satellite Mode)
- IPMI (Intelligent Platform Management Interface):
  - PICMG 2.9 (System Management Specification)
- High resolution graphics interface
- Keyboard and mouse interfaces
- 2 x USB ports
- 2 x asynchronous RS232 serial channels
- Watchdog timer
- Optional Transition Module for rear panel I/O
- Support for Linux®, Windows Server 2003™, Windows® XP, Windows® 2000, Windows NT®, VxWorks® and QNX®

