

### Overview:

The **VRM-CLP** is 6U CompactPCI Low Power Pentium II Single Board Computer. It is designed for low power BGA2 Pentium III CPU running at FSB 100MHz, Two 144-pin SODIMM socket supports up to 512MB SDRAM, Built-in housing for 2.5" low profile HDD, On-board high performance AGP VGA output by via ATI Mobility Radeon M6 controller, All-in-one front access I/O ports, including LAN, COM and USB, and one PMC site for expanding functions.

### Features:

- 6U CompactPCI 233mm x 160mm (L x W), 1 slot (4HP) wide
- CPU: Intel BGA2 mobile Pentium III up to 850MHz with 256K on-die L2 cache
- FSB: 100MHz
- Chipset: Intel 440BX
- RAM: Two 144-pin SO-DIMM sockets, up to 512MB SDRAM
- Standard Bus: PICMG 2.0 R3.0 CompactPCI Bus: 32-bit/33MHz, supports 7 bus-mastering devices, TI PCI2050 PCI to PCI bridge
- BIOS: Award 2Mb flash memory, featuring Intel PXE pre-boot on Ethernet
- I/O Interfaces:
  - Display: ATI Mobility Radeon M6 with 8MB VRAM
  - Ethernet: Single 10/100Mbps Ethernet Port by Intel 82559
  - IDE: UDMA-33, dual channels, built-in 2.5" ATA HDD housing
  - Floppy: Standard 34-pin connector and one slim type FDD connector
  - USB: USB 1.1 single port
  - Front Panel I/Os: COM 1 (RS-232, DB-9), COM2 (RS-232/422/485, RJ-45), PS2 KB+MS (combo), USB, LAN, VGA, PMC
  - Connectors: FDD (34-pin & slim type), IDE1 & IDE2 (44-pin), LPT (26-pin)
- Hardware: Monitoring CPU temperature, FAN speed, system temperature, Vcore and DC voltages
- Watchdog Timer: 1-255 sec or 1-255 min software programmable, can generate system reset
- Operating Temperature: 0° to 55°C (inside-chassis temp, CPU type dependant, external air-flow required)
- Storage Temperature: -20°C to 80°C
- Shock: 15G peak-to-peak, 11ms duration, non-operation.
- Vibration: Non operation: 1.88Grms, 5-500Hz, each axis. Operation: 0.5Grms, 5-500Hz, each axis, with 2.5"HDD
- Certificate or Test: CE, FCC class A



### Ordering options:

- VRM-CLP/P7:** 6U CompactPCI Low Power Pentium III-700 Host CPU Module
- VRM-CLP/P8:** 6U CompactPCI Low Power Pentium III-850 Host CPU Module
- VRM-DB/RCF:** Removable Compact Flash Type-II Socket Adapter