

Overview:

The **VRM-CC5-X** is a powerful 3U (single size Eurocard) CPU board, suitable for any CompactPCI® systems, likewise equipped with the Intel Celeron® or Pentium-III® processor. The board is provided with the chip set 810(E), which contains an embedded graphics controller. The DVI-I interface allows for attachment of both, advanced and legacy flat panel displays and CRT monitors. The on-board USB-port is an universal interface to a variety of peripheral devices (keyboard, mouse, printer, modem or video camera). For high speed networking, the **VRM-CC5-X** is provided with a 10/100 Mbps Fast Ethernet twisted pair jack. All connectors mentioned above are comfortably available from the cards front panel. As a mass storage interface, the **VRM-CC5-X** provides for an Ultra ATA/66 connector, suitable for any EIDE harddisk and CD-ROM. A receptacle for CompactFlash cards allows utilization of silicon disks. The main memory is a SO-DIMM 144 form factor module up to 256MB. The jumperless board can be used with a front-side bus clock of up to 100(133)MHz. Equipped with a PCI-bridge chip, the **VRM-CC5-X** offers a full CPCI interface for reliable system expansion.



Features:

- Single size CompactPCI style Eurocard (160mmx100mm²). Front panel width 4HP (20.3mm)
- Support for Intel Celeron, Pentium-III and VIA CyrixIII processor, 370-pin PPGA or FC-PGA package
- i810E chipset consisting of:
 - 82810E Graphics/memory Controller Hub (GMCH)
 - 82801 I/O Controller Hub (ICH0)
 - 82802 Firmware Hub (FWH)
- 144-pin dual inline memory module (SO-DIMM) socket, module height 1.05" (26.7mm) max.
 - support for up to 256MB, non ECC, unbuffered synchronous DRAM (SDRAM)
 - support for serial presence detect (SPD) and on-SPD SO-DIMMs, PC-100 style
- Analog monitor and digital flat-panel display support by DVI-I connector (front panel), up to 1280 x 1024 pixel 16M colors 85Hz refresh rate, incorporates PanelLink Digital technology (Silicon Image)
- Single type A connector (front panel), USB 1.1, data transfer rate of up to 12Mbit/s
- 100Base-Tx/10Base-T Fast Ethernet controller, 82559ER chip, RJ-45 connector (front panel), 100Mbps full-duplex, auto-negotiation
- LPC Super-I/O interface connector (companion board with Super-I/O controller available)
- Ultra ATA/66 40-pin connector (primary IDE port)
 - CompactFlash socket for CFA ATA cards utilizing 'True IDE Mode' (secondary IDE port)
- 32-bit, 33.3MHz, PCI bridge chip Texas Instruments PCI2050, 133MBps CPCI master
- General Software Embedded 2000 BIOS, 2..8Mbit flash memory (82802AA, 82802AB, 82802AC firmware hub).

Ordering Options:

- VRM-CC5-1:** 3U FC-PGA 370 CPU, 64MB SDRAM, Celeron 733MHz
- VRM-CC5-2:** 3U FC-PGA 370 CPU, 64MB SDRAM, Pentium III 850MHz (1 GHz optionally)
- VRM-CC5-4:** Similar to VRM-CC5-1, Pentium-III 1GHz CPU
- VRM-CC5-8:** 128MB SDRAM option, extra charge
- VRM-CC5-9:** 256MB SDRAM option, extra charge

VRM-CC6 is available as a companion board to the VRM-CC5-X