



### Overview:

The **VRM-CC7-X** is a powerful 3U (single size Eurocard) CPU board, suitable for any CompactPCI® systems, likewise equipped with the Intel® 0.13µm Tualatin-Celeron® or Pentium III 1.26GHz processor. The board is provided with the chip set 815G, 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. For high speed networking, the **VRM-CC7-X** is provided with a 1000 Mbps Gigabit Ethernet twisted pair jack. All connectors mentioned above are comfortably available from the cards front panel. As a mass storage interface, the **VRM-CC7-X** provides for an Ultra ATA/66 connector, suitable for hard disk drives 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 512MB/PC133. The jumperless board can be used with a FSB and memory clock of up to 133MHz. Equipped with a PCI-bridge chip, the **VRM-CC7-X** offers a full CPCI interface for reliable system expansion. Especially designed for embedded systems applications, the *General Software* BIOS source code is maintained by V Rose so custom specific enhancements can be realized instantly.



### Features:

- Single size CompactPCI style Eurocard (160mmx100mm<sup>2</sup>). Front panel width 4HP (20.3mm)
- Designed for Intel® Celeron® and Pentium® III processors (Tualatin 0.13µ)
- i815G chipset consisting of:
  - 82815 Graphics/Memory Controller Hub (GMCH)
  - 82801 I/O Controller Hub (ICH0)
  - 82802 Firmware Hub (FWH)
- 144-pin SO-DIMM socket, module height 1.15" (30mm) max.
  - Support for up to 512MB, PC133, non ECC, unbuffered SDRAM
  - Support for serial presence detect (SPD) and non-SPD SO-DIMMs
- 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), USB1.1, data transfer rate of up to 12Mbit/s
- 10/100/1000Mbps Gigabit Ethernet controller, 82540 chip, RJ45 connector available from front panel
- 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 (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.

### Ordering Options:

- VRM-CC7-1:** 3U Celeron 1.2GHz Tualatin CPU, 256MB SDRAM, 256KB cache, 100MHz FSB
- VRM-CC7-2:** 3U Pentium III 1.26GHz Tualatin CPU, 256MB SDRAM, 512kB cache, 133MHz FSB
- VRM-CC7-8:** 512MB SDRAM option of basic version CC7
- VRM-908510201:** DVI-D to DVI-D cable assembly, 2m, connects the VRM-CC7-XX to DVI monitors (digital way)
- VRM-908570201:** DVI-I to HD DSUB15 cable assembly, 2m, connectors the VRM-CC7-XX to VGA monitors (analog way)
- VRM-908571201:** DVI-I to VGA adapter (plug to receptacle), to be plugged onto the VRM-CC7-XX DVI output, with HD DSUB15 Socket, suitable especially for analog monitors with attached VGA cable.