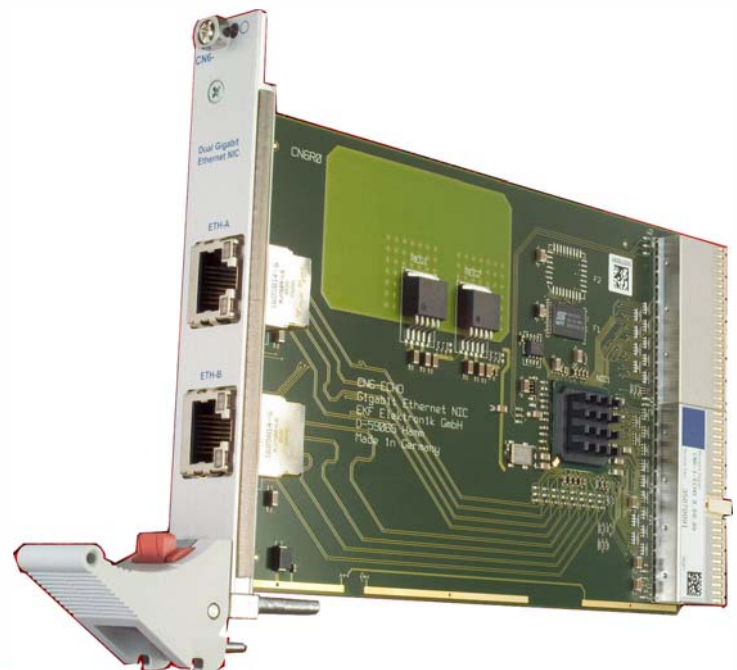


Overview:

The **VRM-CN6-X** is a CompactPCI Dual Gigabit Ethernet Controller Dual Channel Universal Host Adapter 10/100/1000Mb/s. The design of the **VRM-CN6-X** is based on a modern single-chip integrated dual MAC/PHY, thus minimizing the power consumption. The board is provided with a 128kx8 Flash EPROM, suitable for an extended BIOS (system book from network). The **VRM-CN6-X** can be integrated smoothly into any existing networking environment. In order to profit from its Gigabit Ethernet capability, a Gigabit switch must be used accordingly for attachment. Existing facility cabling must provide strapping of all 8 pin positions of the RJ45 jack. Gigabit Ethernet has been designed to use existing cabling and equipment, hence simplifying the migration process. Integrating the 1000Mbps VRM-CN6-X NIC into any CPCI system not only allow for remarkable power data throughput, but also reduces the network load considerably due to shortened transfer times. The **VRM-CN6-X** is provided with a 32/64-bit CPCI interface, and can be operated at either 33MHz or 66MHz bus clock. While being compatible with all CPCI systems, the optimum performance will be achieved within a 64-bit/66MHz system. The **VRM-CN6-X** is a 3U (single size) Eurocard. For 6U CPCI Systems, a mounting kit is available, which expands the front panel to 6U height.

Features:

- Form Factor** Single size 3U CompactPCI style Eurocard (160x100mm²), front panel width 4HP (20.3mm)
- Ethernet** Dual twisted pair RJ45, 8-position, suitable for direct attachment to any hubs, switches, routers, transceivers (cross-over patch Cable not required in most cases)
Category 5/6, UTP or STP, length up to 105m maximum
10Base-T 10Mbps (20Mbps @ full-duplex), 100Base-TX (Fast-Ethernet) 100Mbps (200Mbps@ full-duplex), auto-negotiation for Best performance, 1000Base-T (Gigabit Ethernet) 1000Mbps
Intel PCI Gigabit Ethernet controller, integrated single chip dual MAC and PHY (transceiver)
- CPCI Bus** 32/64-bit, 33/66MHz, DMA bus master 3.3V or 5V interface
- Power Consumption** +3.3v ±0.15V 1.25A max. / V_{IO} +5V or +3.3V 0.01A max.
- Environmental Conditions** Operating Temperature 0°C ... 70°C
Storage Temperature -40°C ... +85°C
Humidity 5% 95% non-condensing
Altitude ~300m...+3000m
Shock 15g 0.33ms, 6 g 6ms
Vibration 1g 5-2000Hz
- MTBF** tbd h
- Driver Software, BIOS, Tools** Intel support available for a variety of operating systems (ie. Windows®, Linux, Unix, Solaris, DOS)



Ordering options:

VRM-CN6-1: 3U CompactPCI Dual Gigabit Ethernet NIC