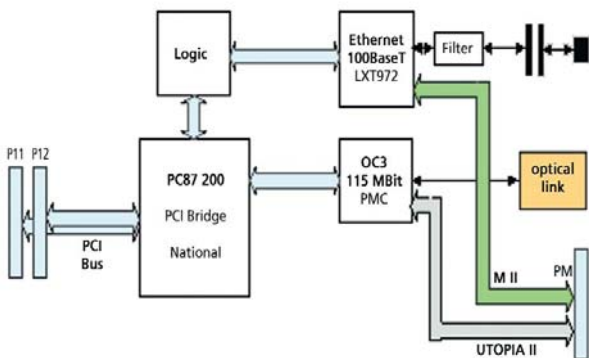


Overview:

The **VRM-PMC-OC3** is a highly efficient low-cost PMC module. The module can be plugged onto almost any carrier board supporting PMC standards. The **VRM-PMC-OC3** is optimized for use in applications requiring optical interfaces like OC3/STM1, SDH/SONET, as well as ATM. The module provides a cost-effective, reliable ATM connectivity at 155Mbps and is ideal for use in CompactPCI, proprietary and VME-based communications servers. The **VRM-PMC-OC3** supports a high-speed OC3/STM1 interface along with a 100Mbps Ethernet and is targeted at networking applications where high-bandwidth services are demanded, such as in carrier and enterprise communication systems. The **VRM-PMC-OC3** is a P1386.1/Draft 2.4a compatible PMC module that can be plugged onto any VME, cPCI, or other carrier board offering a PMC extension slot. Using the National Semiconductor PC87200 PCI Bridge, the **VRM-PMC-OC3** is PCI Rev 2.2 compatible (32bit/33MHz). The UTOPIA-II / POS-PHY-II interface on the PMC I/O connector P14 is connected to the PMC Sierra 155Mbps PM5384 (S/UNI 1x 155MBit) ATM/OC3 PHY. The PHY connects to an optical link through an optical SC/LC duplex transceiver on the front panel. The PM5384 can be operated in ATM, SDH/SONET or PoS mode. The 100 Mbps Ethernet MII interface on the I/O connector P14 is connected to a 100BaseT interface through the Intel LXT972 frame device.



Features:

- PCI Interface and Compliance:** National PC87200 PCI bridge (33MHz, 32bit), PCI Rev 2.2
- OC-3 Interface:** OC3 SDH/STM1 optical fibre on standard connector (SC/LC) duplex single or multi mode transceiver) on the front panel supplied by PMC Sierra PM5384.
- Ethernet Interface:** 10/100BaseT on RJ45 front panel connector supplied by Intel LXT972
- Operating System Support:** Host drivers for VxWorks, LINUX
- Power Consumption:** 3.3V 0.5A (typ), 5.5V 0.3A (typ.)
- Environmental:**
 - Temperature (operating): 0°C to +60°C with forced air cooling
 - Temperature (storage): -40°C to +85°C
 - Relative Humidity: 10% to 95% at +55°C (non-condensing)
- Standard Compliance:** PCI Rev 2.2 P1386.1/Draft 2.4a