

Overview:

The **VRM-C11** is a Passive Terminal Adapter with ISDN basic rate S/T interface. The 3U board achieves a data rate of 128kBit/s uncompressed (both B channels aggregated). The **VRM-C11** complies with international and European ISDN standards as ITU-T 1.430, and is bundled with essential software stack and drivers. The software addresses the requirements of ISDN CAPI 2.0 and NDIS WAN. The **VRM-C11** is equipped with a single-chip PCI ISDN S/T transceiver. It is provided with software support for Windows based systems (*Windows 95/98 VxD driver with power management, Windows NT 4.0 Driver, Windows 98 WDM Driver, Multi-Language Support, B Channel Protocol Transparent and HDLC supported, Supports D Channel Protocols, CAPI 2.0, NDIS WAN Miniport (PPP/MLPPP), Multi-Link PPP Aggregates Both B Channels to Provide Full 128kbps*). Recent Linux distributions already enclose driver support for the **VRM-C11** as well.



Features:

- 3U Eurocard (100x160mm²), front panel width 20.3mm (4HP), mechanics constructed with respect to EMC requirements, ejector lever
- 2x64kbps (56kbps restricted mode for US ISDN lines selectable), protocol D channel transfer rate 16kbps Interface type
- Controller chip: Cologne Chip Designs HFC-S PCI A Single-Chip PCI ISDN S/T Transceiver, independent read and write HDLC channels for two ISDN B channels and one ISDN D channel, independently selectable B1 and B2 channel transparent mode, FIFO memory window 4x7.5kByte (B channel) and 2x512Byte (D channel), max. 31 HDLC frames (B channel) and 15 HDLC frames (D channel) per channel and direction in FIFO, I²C serial EEPROM interface for configuration data storage
- Physical Interface: S/T interface, RJ45 ISDN standard connector front panel mounted, complies with ITU-T 1.430 specification, ISDN S interface hybrid APC 5568, isolation voltage 1500Vrms, certified to IEC950: A4: 1996 and EN60950:A4: 1979
- CPCI Bus Connector J1: 32-Bit, 33MHz (133MB/s), DMA bus master, 5V interface
- Power Consumption Connector J1: +5V \pm 5% 0.1A max.
- Operating Temperature: 0-70°C
- Humidity: 5-90% non condensing

Optional:

VRM-CR9-ADP: mechanical kit, expands front panel from 3U to 6U