



Product Information

CI1-HARP • *CompactPCI*[®] ISDN Terminal Adapter

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*For connecting *CompactPCI*[®] systems to the ISDN network, EKF offers their CI1-HARP, 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 CI1-HARP complies with international and european ISDN standards as ITU-T I.430, and is bundled with the essential software stack and drivers.

The software addresses the requirements of ISDN CAPI 2.0 and NDIS WAN.

Additional drivers for a variety of Windows environments and different D channel protocols care for meeting specific customer needs.

Due to its cost-effectiveness the CI1-HARP is a perfect replacement for conventional ISDN communications equipment, as external modems or routers. Simply install a cable between the RJ45 ISDN connector and the ISDN telephone system, and your *CompactPCI*[®] system is ready for high speed Internet access.



The CI1-HARP is equipped with a single-chip PCI ISDN S/T transceiver. It is bundled with full featured software, e.g.

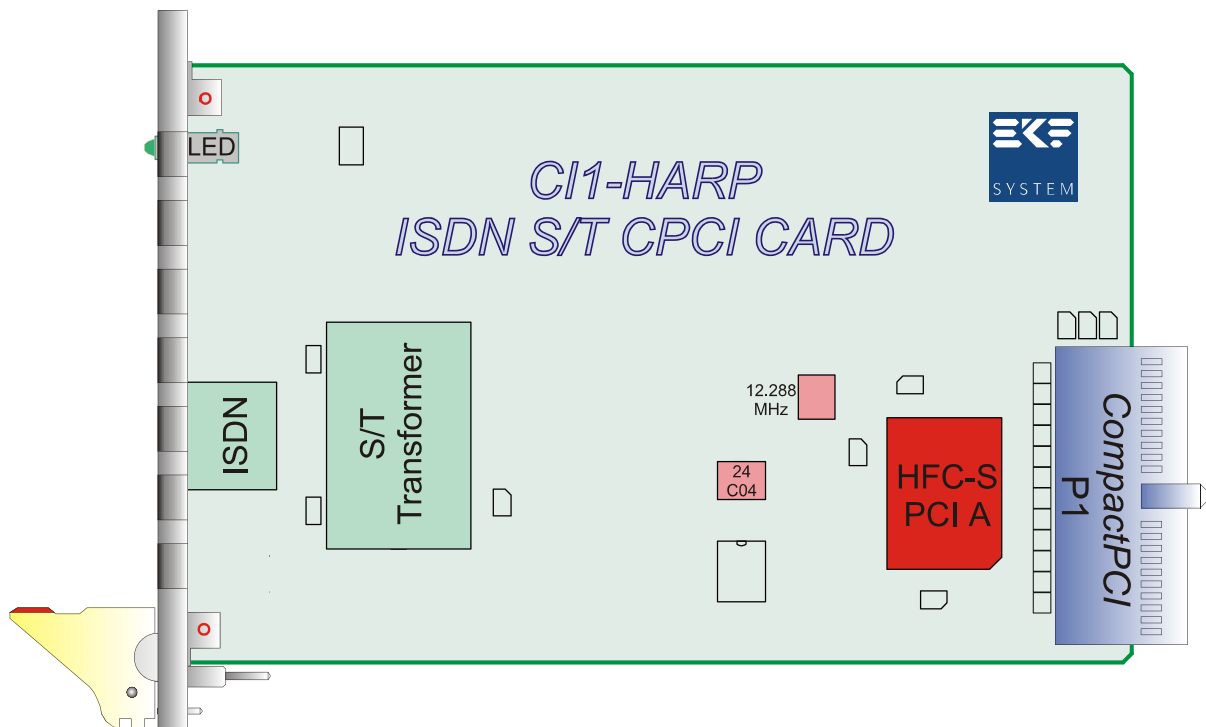
- Support for Windows 95/98 VxD Driver with Power Management
- Windows NT 4.0 Driver
- Windows 98 WDM Driver
- Multi-Language Support
- B Channel Protocol Transparent and HDLC Supported
- Supports D Channel Protocols
- CAPI 2.0
- NDIS WAN Miniport (PPP/MLPPP)
- Multi-Link PPP Aggregates Both B Channels to Provide Full 128kbps

Recent Linux distributions, e.g. SuSE 6.3 enclose driver support for the CI1-HARP as well. EKF itself uses the CI1-HARP successfully as an ISDN gateway in their Linux based proxy/firewall servers.

The CI1-HARP fits directly into 3U racks. For 6U systems however, the front panel can be expanded by a special mechanical mounting kit, named CR9-ADAPT.



CR9-ADAPT



Technical Specifications		
Board	Dimensions	3U Eurocard (100x160mm ²), front panel width 20.2mm (4HP), mechanics constructed with respect to EMC requirements, ejector lever
ISDN Port	Interface Type	ISDN basic rate TA S/T (2B+D), B channel data transfer rate 2x64kbps (56kbps restricted mode for US ISDN lines selectable), protocol D channel transfer rate 16kbps
	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), maximum 31 HDLC frames (B channel) and 15 HDLC frames (D channel) per channel and direction in FIFO, I ² C serial EEPROM interface for configuration data storage
	Physical Interface Connector ISDN	S/T interface, RJ45 ISDN standard connector front panel mounted, complies with ITU-T I.430 specification, ISDN s interface hybrid APC 5568, isolation voltage 1500Vrms, certified to IEC950:A4:1996 and EN60950:A4:1979
<i>CompactPCI</i> [®] Bus	Connector J1	32-Bit, 33MHz (133MB/s) PCI 2.2 32-Bit DMA Bus Master, 5V interface
Power Supply	Connector J1	+5V ±5% 0.1A max.
Temperature Humidity	Operating	operating temperature 0-70°C humidity 5-90% non condensing

specifications are subject to change without further notice

Ordering Information		
Alias	Ordering No.	Short Description
HARP	CI1-1-HARP	3U <i>CompactPCI</i> ISDN basic rate passive terminal adapter
	CR9-1-ADAPT	mechanical kit, converts front panel from 3U to 6U

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