NETWORKS
FIELDBUS

CP340

CompactPCI Fast Ethernet Adaptor



Fast Ethernet LAN Controller with Integrated Physical Layer Transceiver (PHY)

- Latest Intel 82558 100BaseTX technology
- Ethernet IEEE 802.x compliant Flow Control
- RJ45 configured front-panel with category 5 UTP cable pinout
- Automatic speed sensing and switching
- Remote boot option via ROM or FLASH on socket
- Hardware designed for WindowsNT networking interface chip driver
- 5V signaling voltage compliant with CPCI specifications
- CE conformance

An extremely efficient 10/100 Mbps Fast Ethernet controller for CompactPCI applications supporting bus and star topologies and provided with remote boot ability.

CERTIFIED
DIN ISO 9001
QUALITY SYSTEM
Reg. No. 0548 - 02

Modular Computers®

Product Overview

CP340

PEP's 3U CompactPCI LAN controller board, based around the Intel 82558 controller chip, is designed for operation on the CompactPCI backplane.

With the CP340, technology moves one step nearer the future Gigabit Ethernet by providing automatic detection and switching between 10Base-T and 100Base-TX data transmission. Supporting two pair, category 5 UTP (unshielded twisted-pair) cabling, the CP340 is prepared for new installations taking advantage of this already widespread cabling standard.

- A wake-up on LAN feature of the INTEL LAN controller allows remote stations to be returned to full power from a low power state by another networked machine for management purposes.
- An Advanced Configuration Power Interface (ACPI) provides power-down states and the ability to "wake-up" on interesting, individually directed network packet types.

CompactPCI Interface

32-bit/33 MHz, CompactPCI specification v.2.1 compatible with busmaster DMA, interrupt level INTA support, 5.0V operation and full Plug&Play compatibility

Characteristics

Controller:	Intel 82558 Fast Ethernet controller
Data Rate:	10 & 100 Mbit/s
Ethernet Int.:	Full 802.2 & 802.3 IEEE compliance supporting both 10Base-T & 100Base-TX operation
Cabling:	Category 5 two-pair cabling

Software Support

Drivers:	Microsoft Windows 95 and NT (NDIS 3.x)
Application:	Remote node management with LANDesk

Common

Power Cons.:	5W (typ.) @ 5V DC
Dimensions:	100mm x 160mm (3U card size)
Temp. Ranges:	0ºC to +55ºC (standard)
	-55ºC to +125ºC (storage)
Oper. Humidity:	0% to 95% (non-condensing)
Weight:	110g

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- Remote booting via the LANDesk Service Agent (LSA) is possible from another system's OS over the connected network.
- Intel's Adaptive Technology enables collision reduction for performance optimisation

Product	Description	Order No.
CP340	IEEE 802.3x conformant CompactPCI single-height board comprising the 32-bit/33MHz Intel 82558 LAN controller with auto speed detection, remote boot possibility and wake-up ability, FLASH memory support.	**16780**
KIT-CP340	Drivers and setup utilities with user's manual documentation in PDF format on 3.5" floppy disk	**17618**
MAN-CP340	Printed user's manual for the CP340	**17781**

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