



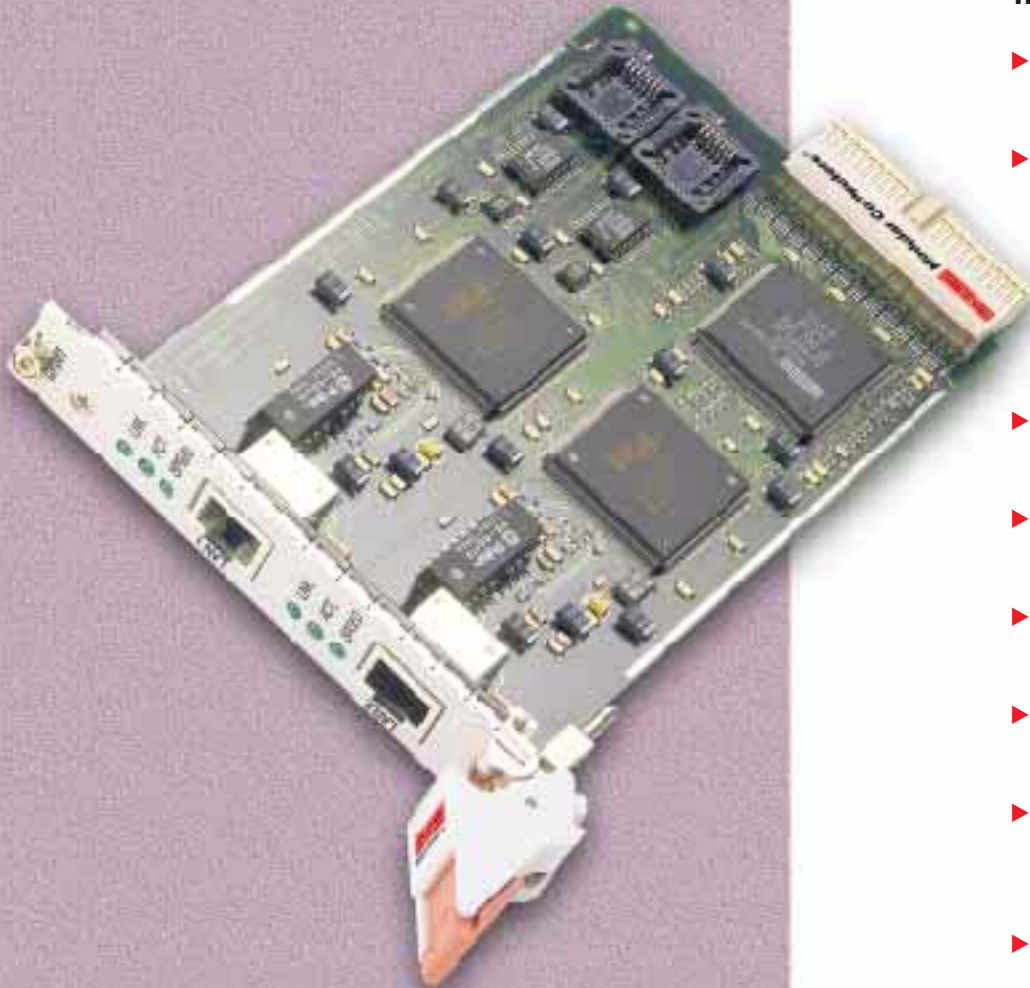
NETWORKS  
FIELDBUS

# CP341

## Two Independent Ethernet Adaptors for CompactPCI Applications

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

- ▶ Latest Intel 82558 100BaseTX technology
- ▶ Ethernet IEEE 802.3x compliant
- ▶ 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
- ▶ 3.5V and 5V power signalling according to CompactPCI specifications
- ▶ CE conformance



A 10/100 Mbps dual independent Ethernet controller for Compact-PCI applications supporting bus and star topologies and provided with remote boot ability.



# Product Overview

## CP341



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

Hosting two identical but independent LAN channels, the CP341 also provides automatic detection and switching between 10Base-T and 100Base-TX data transmission. And, with two pair, category 5 UTP (unshielded twisted-pair) cabling, the CP341 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 INT A support, 3.3V/5.0V operation and full Plug&Play compatibility

### Characteristics

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

### Software Support

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

### Common

Power Cons.: 3.7W (typ.) @ 5V DC  
 Dimensions: 100mm x 160mm (3U card size)  
 Temp. Ranges: 0°C to +60°C (standard)  
 -25°C to +75°C (extended)  
 -55°C to +85°C (storage)  
 Oper. Humidity: 0% to 95% (non-condensing)  
 Weight: 160g

- ▶ 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.
CP341	IEEE 802.3x conformant CompactPCI single-height board comprising two 32-bit/33MHz Intel 82558 LAN controllers with auto speed detection, remote boot possibility and wake-up ability, FLASH memory support.	<b>18422</b>
KIT-CP341	Drivers and setup utilities with user's manual documentation in PDF format on 3.5" floppy disk	<b>18699</b>
MAN-CP341	Printed user's manual for the CP341	<b>18843</b>

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