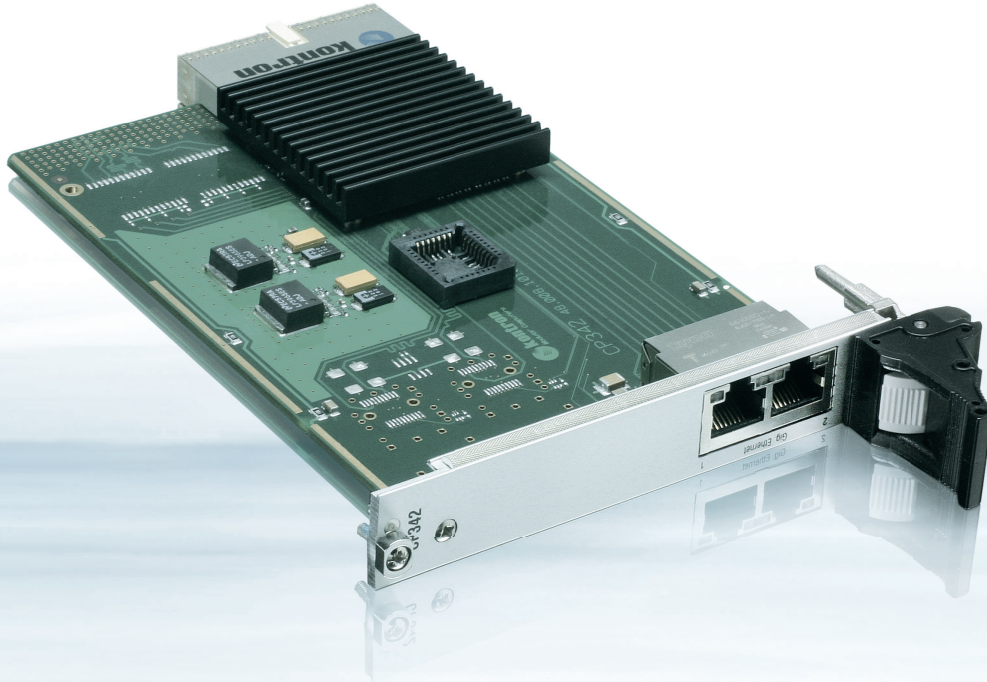


# CP342

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## 3U CompactPCI® DUAL GIGABIT ETHERNET ADAPTER

- ▶ dual Gigabit Ethernet via RJ45 Copper or SFP fiber
- ▶ PXE boot option, adapter teaming
- ▶ Ethernet IEEE 802.3x compliant
- ▶ running on Windows, Linux, VxWorks

# CP342

## 3U CompactPCI DUAL GIGABIT ETHERNET ADAPTER

CP342 is a Dual Gigabit Ethernet controller board, based around the Intel® 82546 Gigabit chip, designed for operation in CompactPCI systems offering versatile connectivity to your application either on copper with RJ45, via Rear I/O or on Fiber with SFP.

The optional flash device provides the ability to boot remotely via PXE from a different operating system via the connected network. The Intel® 82546 Gigabit controller supports Jumbo frames with up to 16KB for large data transfers and high throughput. IP, TCP and UDP checksum off-loading capabilities increase the throughput even more. Furthermore the CP342 provides adapter teaming capabilities by using the appropriate driver software.

### TECHNICAL INFORMATION

<b>GENERAL</b>	<b>NUMBER OF PORTS FORM FACTOR CONNECTION</b>	2 ports with Gigabit Ethernet 3U CPCI, 100 x 160mm, Frontpanel 4 HP CP342: 2x RJ45; CP342-E2: 2x RJ45; CP342-SFP: 2x SFP; CP342-RIO: RJ45 via Rear I/O
	<b>WEIGHT</b>	140g
<b>CHARACTERISTICS</b>	<b>CONTROLLER DATA RATE ETHERNET VLAN SUPPORT</b>	Intel® 82546GB Ethernet controller 10/100/1000 Mbit/s (only 1000 Mbit/s for SFP); uLL IEEE 802.3 x compliance 10Base-T, 100Base-TX, 1000Base-TX and; 1000Base-FX operation IEEE 802.1Q VLAN support, 4096 VLAN tags
<b>SOFTWARE SUPPORT</b>	<b>DRIVERS</b>	Windows®, Linux®, VxWorks® driver packages Windows® driver package with Adapter Teaming providing: - Adapter Fault Tolerance - Adaptive Load Balancing - Static Link Aggregation - IEEE 802.3ad Dynamic Link Aggregation - Switch Fault Tolerance
<b>COMPACTPCI® BUS INTERFACE</b>		- PICMG 2.0 Rev 3.0 compatible, 32 bit/33 MHz, DMA bus master - VI/O: universal (3.3V/5V) - Version with Rear I/O on J2
<b>POWER CONSUMPTION</b>		5.6 W (typ.) @ 3.3 V
<b>ENVIRONMENTAL</b>	<b>OPERATING TEMPERATURE CLIMATIC HUMIDITY</b>	0°C to +60°C, -40°C to +85°C with E2 version Non condensing 93% at 40 °C (acc. to IEC60068-2-78)

### ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
CP342	33328	Dual Gigabit Ethernet NIC on 3U CompactPCI with 2x RJ45 to the front panel
CP342-SFP	33329	Dual Gigabit Ethernet NIC on 3U CompactPCI with 2x SFP to the front panel
CP342-RIO	33330	Dual Gigabit Ethernet NIC on 3U CompactPCI with Rear I/O support
CP342-E2	35150	Dual Gigabit Ethernet NIC with 2x RJ45, for usage in E2 (-40°C to +85°C) temp. range
CP-RIO3-42	34828	Rear I/O module for CP342-RIO with 2x RJ45
KIT-CP342 <sup>1)</sup>	35118	Windows® 2000 and XP Board Support Package, CP342 User's Manual
VXW-DRV-CP342	35205	VxWorks® 6.4 Board Support Package, CP342 User's Manual
WXPE-BSP-CP342 <sup>1)</sup>	1022-2328	Windows® XP embedded Board Support Package, CP342 User's Manual

<sup>1)</sup> Free of charge downloadable from the Web

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