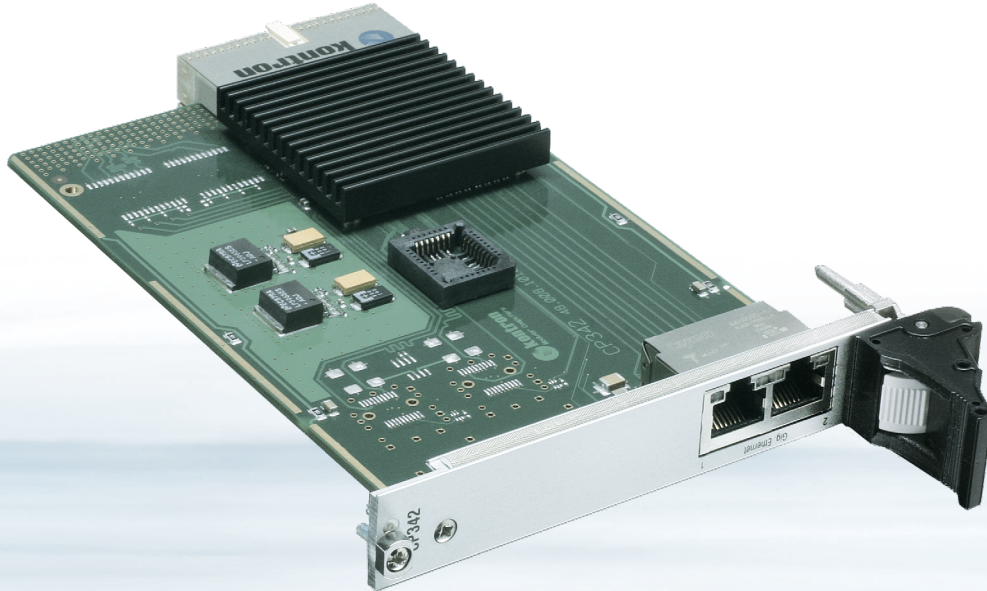


CP342



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

POSSIBILITIES START HERE

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 Compact-PCI systems offering versatile connectivity to your application either on copper or 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

GENERAL	NUMBER OF PORTS FORM FACTOR CONNECTION WEIGHT	2 ports with Gigabit Ethernet 3U CPCL, 100 x 160 mm, Frontpanel 4 HP CP342: 2x RJ45; CP342-E2: 2x RJ45; CP342-SFP: 2x SFP; 140 g
CHARACTERISTICS	CONTROLLER DATA RATE ETHERNET VLAN SUPPORT	Intel® 82546 GBit Ethernet controller 10/100/1000 Mbit/s (only 1000 Mbit/s for SFP); full IEEE 802.3x compliance 10Base-T, 100Base-TX, 1000Base-TX and; 1000Base-FX operation IEEE 802.1Q VLAN support, 4096 VLAN tags
SOFTWARE SUPPORT	DRIVERS	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
COMPACTPCI® BUS INTERFACE		- PICMG 2.0 Rev 3.0 compatible, 32 bit/33 MHz, DMA bus master - VI/O: universal (3.3 V/5 V)
POWER CONSUMPTION		5.6 W (typ.) @ 3.3 V
ENVIRONMENTAL	OPERATING TEMPERATURE CLIMATIC HUMIDITY	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-E2	35150	Dual Gigabit Ethernet NIC with 2x RJ45, for usage in E2 (-40°C to +85°C) temp. range
KIT-CP342 ¹⁾	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 ¹⁾	1022-2328	Windows® XP embedded Board Support Package, CP342 User's Manual

¹⁾ Free of charge downloadable from the Web

▶ GLOBAL HEADQUARTERS

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