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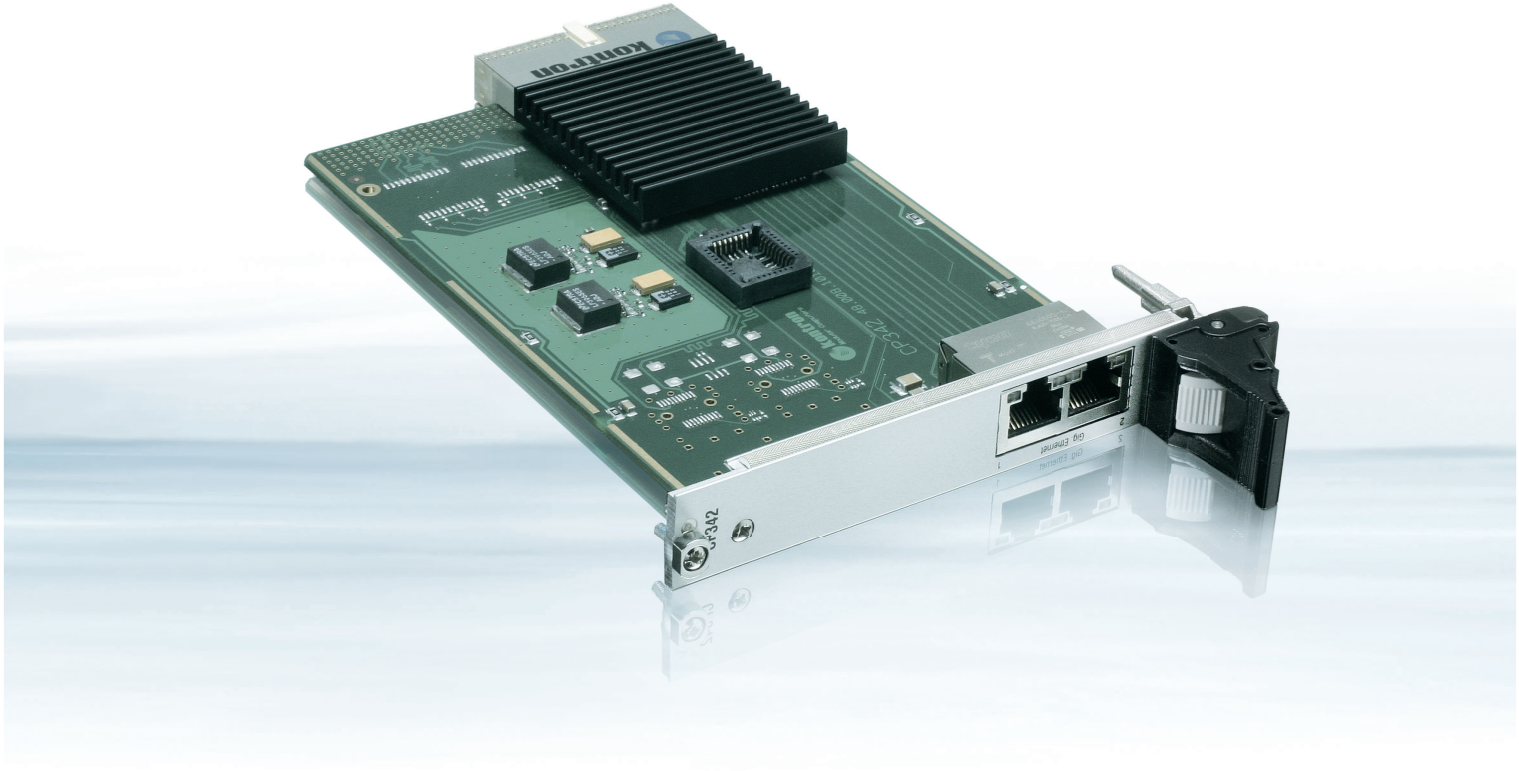
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Find the *Kontron CP342* at our website: ***Click HERE***

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 kontron

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

GENERAL	NUMBER OF PORTS FORM FACTOR CONNECTION WEIGHT	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 140g
CHARACTERISTICS	CONTROLLER DATA RATE ETHERNET VLAN SUPPORT	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
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 (3.3V/5V) - Version with Rear I/O on J2
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-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 [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

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