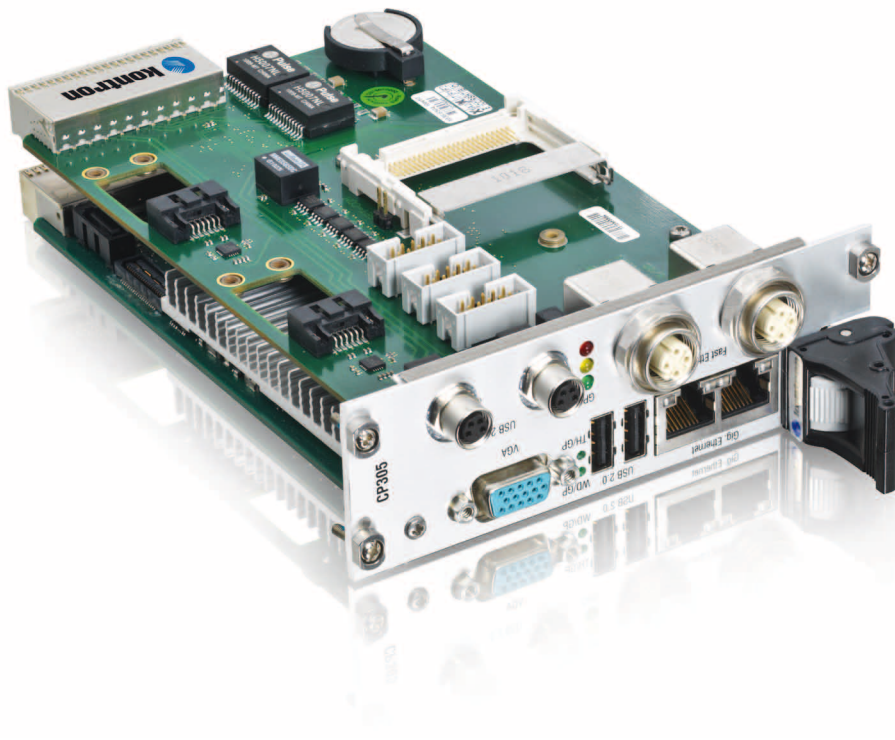


» CP305-TR «



4HP Extension Module for Intel® Atom™ 3U CompactPCI CPU CP305

- » 2x Fast Ethernet via M12 D-coded connectors
- » 2x USB 2.0 service ports via M8 A-coded connectors
- » EN50155 compliant

The CP305-TR is a 3U, 4HP extension module for the 3U CompactPCI CPU board CP305. With it's unique feature set, it targets all mobile and transportation oriented applications where robust and mechanically secured connections are required.

The CP305-TR provides a range of I/O interfaces such as two USB 2.0 service ports via M8 connectors and two Fast Ethernet ports via M12 D-coded connectors. Furthermore, the extension module offers two serial interfaces as

onboard 10-pin connectors as well as two SATA connectors. Up to eight GPIO ports (five inputs and three outputs) are available on an onboard connector.

As onboard boot medium, the CP305-TR provides support for one CompactFlash card with option for additional mechanical fixation.

With respect to the transportation market, the extension board is EN50155 compliant against EMC, climatic, temperature and shock and vibration requirements.

Technical Information

Front Panel Interfaces

Ethernet	2 x M12 D-coded connectors, 10/100 Mbit/s
USB	2 x M8 A-coded connectors, USB 2.0 (480 Mbit/s) service port
LED's	3 x LED's for GPIO signals
Onboard Connectors	
Serial ATA	2 x 7-pin SATA connectors, SATA II, Option for additional mechanical fixation of the SATA cables
Serial Port	2 x 10-pin connectors for serial ports (RS232)
CompactFlash	1 x CompactFlash card socket, CompactFlash Type I and II supported, Option for additional mechanical fixation
GPIO	1 x 10-pin connector providing 5 x input and 3 x output signals, TTL signalling
CompactPCI J2	The J2 connector provides the signals for: Ethernet, SATA and the serial ports (see note by ordering information)
Compliance	
CompactPCI Core Specification PICMG 2.0 Rev. 3.0 Designed to meet or exceed: » Safety: UL 60950-1, CSA 22.2 No 60950-1, EN 60950-1 » EMI/EMC: EN 55022 / EN 55024, EN 61000-6-3 / EN 61000-6-2 » Fire & Smoke: NF-F-16-102, CEN/TS45545-2 » EN50155	
General	
Dimensions	100 mm x 160 mm, 4HP (extends CP305 to 8HP)
Weight	250 grams
MTBF	TBD
Software Support	Windows XP, Windows XP embedded, Windows Vista, Windows 7, Linux, VxWorks
Power Consumption	1W, without peripheral devices connected
Environmental	
Operating temp.	0° C to +60° C standard, EN50155 T2
Storage Temp.	-55° C to +85° C
Humidity	93% RH at 40° C, non-condensing (acc. to IEC 60068-2-78)

Ordering Information

Article	Description
CP305-TR-CC	Extension module for CP305 with 8HP front panel providing: 2 x Fast Ethernet via M12, 2 x USB via M8, LED's, 2 x SATA, 2 x COM, CompactFlash socket, with conformal coating Note: The CP305-TR requires a special backplane

Please contact your local sales representative for further assistance concerning configuration options.

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