

▶ **CP390**

3U PMC Carrier Board



CompactPCI

- ▶ Interface flexibility through a wide range of analog, digital, communication, and counter PMC modules.
- ▶ Single-Slot operation
- ▶ 32-bit bus master interface
- ▶ Extended operating temperature range
- ▶ Hot Swap version optional

Product Overview

The CP390 was created to provide system designers with a host for mounting the wide range of PMC modules available on the open market.

Industrial PMC modules provide a cost-effective solution for a wide variety of applications, tailoring the CP390 to fit precisely a particular input / output requirement.

Any single industrial PMC module from an ever expanding range may be fitted to cater for the needs of digital, analog, communication or counter functions. The open PMC specification is documented to allow customization and is standardized for vendor independence.

A hot swap version of the CP390 is also available. This provides hot swap solutions when used in tandem with the PMC module's hot swap driver.

On the PMC side of the PCI2PCI bridge there are 5 Volt and 3.3 Volt versions available. It depends on the PMC VI/O which version is applicable.

Compact PCI Interface

32 bit / 33 MHz, CompactPCI specification PICMG 2.0 compatible with busmaster DMA, interrupt level INT A, B, C, D support, 3.3V / 5 Volt operation and full Plug&Play compatibility. PCI to PCI bridge with optional hot swap circuitry.

PMC Interface

Compatible with P1386 Specification V2.0
32-Bit / 33MHz
3.3V / 5.0V PMC VI/O versions available
Interrupt level INT A, B, C, D routed directly to CompactPCI

Hot Swap Version

Blue LED indication and microswitch for save board removal
Hardware-controlled power ramp up
Local reset generation
Signal precharge

Common

Power consumption: 230mW (without PMC module) @3.3Volt, 5V requirement dependent of PMC module.
Dimensions: 100 mm x 160 mm (3U card size)
Temperature Ranges: 0° C to + 60° C (standard)
-40° C to +85° C (extended)
-55° C to +100° C (storage)
Climatic Humidity: non-condensing 93% at 40°C acc. to IEC 60068-2-78
Weight: 150 g

Ordering Information

Product	Description	Order No.
CP390	3U / 4HP CompactPCI PMC carrier board with 5 Volt PMC VI/O	19879
CP390	3U / 4HP CompactPCI PMC carrier board with 3.3 Volt PMC VI/O	28477
CP390-E2	3U / 4HP CompactPCI PMC carrier board with 5 volt PMC VI/O for temperature range -40°C to +85°C	22931
CP390HS	3U / 4HP CompactPCI PMC carrier board with 5 Volt PMC VI/O and hot swap circuitry	19869
VXW-DRV-HS	VxWorks driver for hot swap	22841
LIN-DRV-HS	Linux driver for hot swap	23450
KIT-CP390	Documentation on CD	20216

1) KIT-CP390 free of charge downloadable from the Internet

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