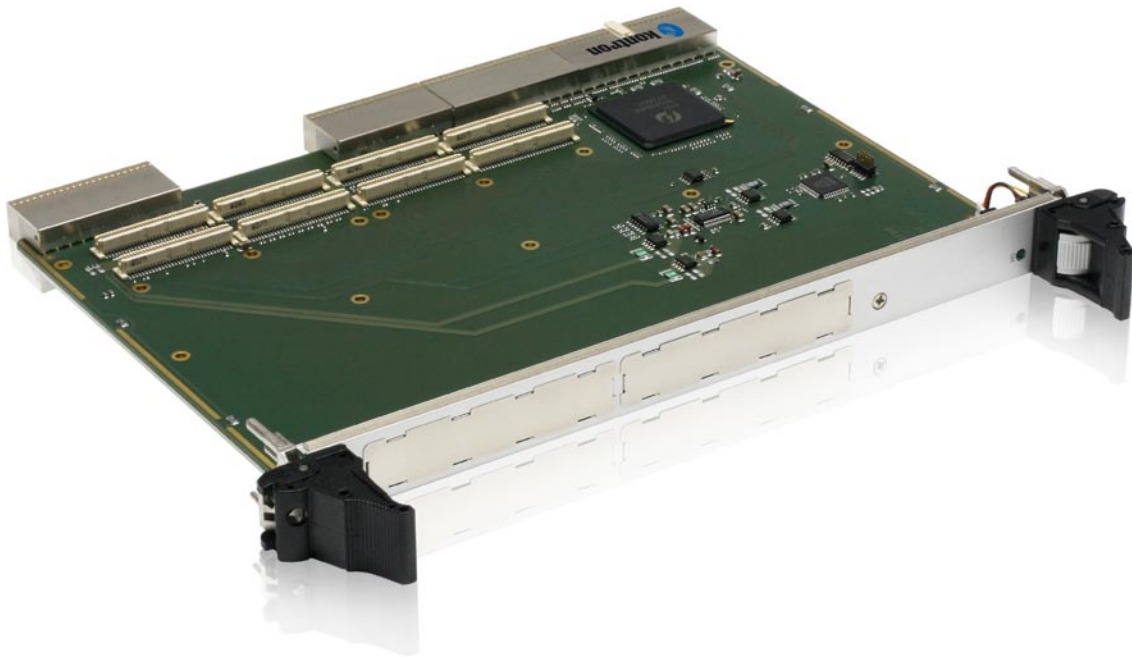


» CP690HS «



6U Hot Swap CompactPCI Carrier Board for 2 PMC Modules

- » Interface flexibility through a wide range of analog, digital, communication and counter PMC modules.
- » 66 or 33 MHz on PCI and/or PMC
- » 64 bit bus master interface
- » 64 bit PMC interface
- » Rear I/O on Pn4
- » INT A, B, C, D support

CP690HS

6U Hot Swap CompactPCI Carrier Board for 2 PMC Modules

The CP690HS was created to provide system designers with a host for mounting the wide range of PMC modules available on the open market.

The CP690HS, which carries two PMC modules, has been designed to enable the user to take full advantage of the cost-effective solutions afforded by industrial PMC modules. Use of the 6U CP690HS provides the opportunity to utilize any two PMC modules simultaneously. This feature maximizes flexibility and versatility, enabling the operator to tailor the CP690HS to meet precisely his specific input/output requirement.

Kontron's CP690HS is completely softwaretransparent and

therefore no driver is required to manage data transfer between the PMC module and the CPCI bus.

For Hot-Swapping the CP690HS a software driver is required for supporting the Hot-Swap relevant part of the board.

On this 6U carrier board you have the possibility to enable Rear I/O on the Pn4 connector of the PMC module. The upper PMC module is connected to J5 of the CPCI bus and the lower PMC module is connected to J3 of the CPCI bus.

Technical Information

CompactPCI Interface	64 and 32 bit / 66 and 33 MHz, Compact PCI specification v.2.1 compatible with busmaster DMA, interrupt level INT A, B, C, D support, 3.3 V/5.0 V operation and full Plug&Play compatibility. Rear I/O on P3 (lower PMC) and P5 (upper PMC)
PMC Carrier Interface	Compatible with P1386 specification v. 2.0, 64 and 32-bit / 66 MHz 3.3 V / 33 MHz 3.3V, configurable to 5V Interrupt level INT A, B, C, D routed directly to Compact PCI Rear I/O on Pn4
Characteristics	Pericom 7C8154 with Hot Swap circuitry. Blue Led indication and microswitch for safe board removal Hardware-controlled power ramp up Local reset generation Signal precharge
Software Support	Depends on PMC module.
Common	Front-Panel: 2 cutouts for PMC module Power Consumption: 0.2 Watt without a PMC module Dimensions: 6 U/4 HP (233 x 160 mm) Temp. Ranges: 0 °C to + 60 °C (standard) -25 °C to +75 °C (extended) -55 °C to +85 °C (storage) Operating Humidity: 0% to 95% (non-condensing) Weight: 280 g MTBF: 416.000 h

Ordering Information

Article	Part.-No.	Description
CP690HS-33	1028-5571	64 bit, 33 MHz, 5.0 VI/O, 6U dual PMC carrier board with Rear I/O on J3/J5
CP690HS-66	1028-5572	64 bit, 66 MHz, 3.3 VI/O, 6U dual PMC carrier board with Rear I/O on J3/J5
KIT-CP690	21898	User's manual documentation in PDF format on 3.5" floppy disk
VXW-DRV-HS	22841	VxWorks driver for Hot Swap
LIN-DRV-HS	23450	Linux driver for Hot Swap

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