

# CP-ASM1 LOW PROFILE RACK

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// Sample Solution

## 3 CompactPCI® SLOTS AT ONLY 1U HEIGHT

- ▶ For CPU and 2 peripheral boards
- ▶ PSU, fans, backplane ready integrated
- ▶ Efficient side-to-side cooling
- ▶ Options for rear-I/O and shelfmanagement

# CP-ASM1 LOW PROFILE RACK

## 3 CompactPCI® SLOTS AT ONLY 1U HIGH

The black coloured 19" card cage is the perfect low profile solution for horizontal mounting of 3U CompactPCI boards: a system controller, two peripheral boards, and rear I/O transition modules if needed.

The rack-mount housing with backplane and cooling fans is available completely mounted, wired, and tested, with a 200 W Kontron power supply. Integrated cooling fans provide for air stream from CPU side to power supply side.

A shelf manager unit is provided as separate option.

The system slot can be populated with a 4HP system controller, or with a 8HP controller variant which includes a side card extension for additional I/O or for onboard mass storage. Two peripheral CompactPCI slots are provided for any two 4HP peripheral cards.

As sample solution (see 2nd picture), the CP-ASM1 may be populated with a 8HP Kontron CPU blade, and - instead of two 4U peripherals - with one 8HP fully managed GbE switch card CP3693-8C with up to 8 front ports and a rear I/O option of another 8 ports.

### ▶ TECHNICAL INFORMATION

DIMENSION		44 x 483 x 281 mm HxWxD (1U x 19")
TEMPERATURE		Operating: -10 °C to +50 °C at 100 % wattage, +50 °C to +70 °C with linear derating by 2.5 % per °C Storage and transport: -30 °C to +70 °C
HUMIDITY		5 % to 80 % non-condensing
COOLING		4x DC fans 40 x 40 x 28 mm, 11,3 cfm, 37 dB(A) Air flow from CPU to PSU side
BACKPLANE		CPCI system slot for 4HP or 8HP controller, two CompactPCI peripheral slots 4HP, 32 bit, P47 power connector, Rear I/O Option
SHELF MANAGER UNIT		Ask for detailed information
POWER SUPPLY	INPUT OUTPUT	8HP 3U, removable, 250 W, status LED at front plate, P47 connector 90 – 264 VAC, 47-63 Hz 5 V (40 A), 3.3 V (40 A), +12 V (5.5 A), -12 V (1.5 A)
POWER CONNECTOR		Rear side IEC320-C14 with switch, fuse, filter
SHOCK		MIL-STD-810F 1 Jan 2000 Annex C, U.S highway truck Figure 514.5C-1, vertical Shock test (Sawtooth) Figure 516.5-10
VIBRATION		DIN EN 61373:1999, Figure 2, Cat 1, Class B, MIL-STD-810F 1 Jan 2000 Annex C, Shipboard: Figure 514.5C-15

### ▶ ORDERING INFORMATION

ARTICLE	DESCRIPTION
CP-ASM1R-H3F-P200AC-B0300-STD	Low profile rack 19 inch 1U for 3U CPCI (Shelf manager option on request)

Ask for our Integration Service:  
Our production teams are prepared to take over the CPCI boards integration and your software installation on request. You will have your system set up ready for field deployment right away out of the Kontron factory.

### ▶ CORPORATE OFFICES

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