

## » CP-ASM1 Low Profile Rack «



### 3 CompactPCI Slots at only 1U high

- » For CPU and 2 peripheral boards
- » PSU, fans, backplane ready integrated
- » Efficient side-to-side cooling
- » Options for Rear-I/O and shelf management



Sample solution

## 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

|                           |  |
|---------------------------|--|
| <b>Dimension</b>          | 44 x 483 x 281 mm HxWxD (1U x 19")   |
| <b>Temperature</b>        | Operating: -10°C to +50°C at 100% wattage, +50°C to +70°C with linear derating by 2.5% per °C<br>Storage and transport: -30°C to +70°C |
| <b>Humidity</b>           | 5% to 80% non-condensing   |
| <b>Cooling</b>            | 4x DC fans 40x40x28 mm, 11,3 cfm, 37 dB(A)<br>Air flow from CPU to PSU side  |
| <b>Backplane</b>          | CPCI system slot for 4HP or 8HP controller, two CompactPCI peripheral slots 4HP, 32 bit, P47 power connector, Rear I/O Option          |
| <b>Shelf Manager unit</b> | Ask for detailed information   |
| <b>Power Supply</b>       | 8HP 3U, removable, 250W, status LED at front plate, P47 connector  |
| <b>Input</b>              | 90 – 264 VAC, 47-63 Hz   |
| <b>Output</b>             | 5V (40A), 3.3V (40A), +12V (5.5A), -12V (1.5A)   |
| <b>Power Connector</b>    | Rear side IEC320-C14 with switch, fuse, filter   |
| <b>Shock</b>              | MIL-STD-810F 1 Jan 2000 Annex C, U.S highway truck Figure 514.5C-1, vertical Shock test (Sawtooth) Figure 516.5-10                     |
| <b>Vibration</b>          | DIN EN 61373:1999, Figure 2, Cat 1, Class B, MIL-STD-810F 1 Jan 2000 Annex C, Shipboard: Figure 514.5C-15                              |
| <b>EMC</b>                | EN61000-6-3 Emission, EN61000-6-1 Immunity   |
| <b>Safety</b>             | EN60950-1  |

#### 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

##### Europe, Middle East & Africa

Oskar-von-Miller-Str. 1  
85386 Eching / Munich  
Germany

Tel.: +49 (0) 8165 / 77 777  
Fax: +49 (0) 8165 / 77 219  
info@kontron.com

##### North America

14118 Stowe Drive  
Poway, CA 92064-7147  
USA

Tel.: +1 888 294 4558  
Fax: +1 858 677 0898  
info@us.kontron.com

##### Asia Pacific

17 Building, Block #1, ABP.  
188 Southern West 4th Ring Road  
Beijing 100070, P.R.China

Tel.: +86 10 63751188  
Fax: +86 10 83682438  
info@kontron.cn