

# CP-ASM 3, CP-ASM4

---



## Ready available card cages for 3U CompactPCI®

- ▶ 19" racks with RIO and FAN options
- ▶ Industrial power supplies from 14 VDC to 260 VAC
- ▶ Backplanes with 2 to 8 slots segments
- ▶ EMI protected and CE compliant

POSSIBILITIES START HERE



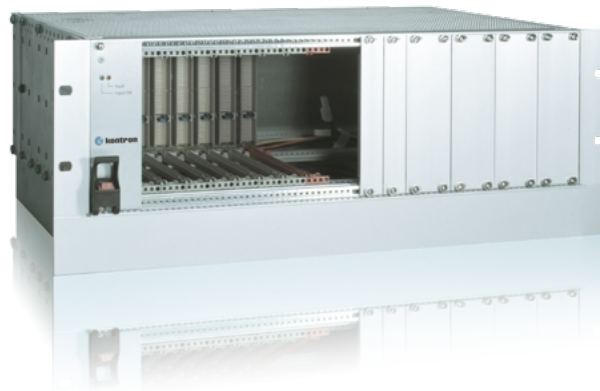
CP-ASM3 is a series of ready integrated standard card cages for 3U CompactPCI®, based on the quality and experience of the technology leader CP-ASM4 includes a 1U fan tray. CompactPCI® is the most accepted modular standard throughout the ICT market segments. CompactPCI® is loved for any application, where openness, modularity, robustness, reliability, or longevity is an advantage. Outstanding advantages are:

- ▶ **Flexibility:** just plug another I/O board where needed
- ▶ **Variability:** upgrade to another CPU for higher performance
- ▶ **Longevity:** switch over to next generation CPU blade
- ▶ **Supplier-independency:** for special needs, select any market available component

## ▶ TECHNICAL INFORMATION

<b>DIMENSIONS</b>	84HP RACK 42HP RACK 84HP FAN TRAY 42HP FAN TRAY	483 x 133 x 282 mm / 84HP, 3U, 275 mm 220 x 133 x 242 mm / 42HP, 3U, 235 mm 483 x 45 x 282 mm / 84HP, 1U, 275 mm 220 x 45 x 242 mm / 42HP, 1U, 235 mm
<b>P47-STYLE POWER SUPPLY</b>	200 WATT AC  200 WATT DC 36 - 75 VDC  200 WATT DC 18 - 36 VDC	CP3-SVE-P200AC - Input: 85-264 VAC - Max Output: 5 V/40 A, 3.3 V/40 A, +12 V/5.5 A, -12 V/2 A. - Dimension: 3U, 8HP - Cooling: Forced airflow mandatory! - Characteristics: Hot swapable, redundant CP3-SVE-P200DC-48 V - Input: 36 - 75 VDC - Max Output: 5 V/40 A, 3.3 V/40 A, +12 V/5.5 A, -12 V/1.5 A. - Dimension: 3U, 8HP - Cooling: Forced airflow mandatory! - Characteristics: Hot swapable, redundant CP3-SVE-P200DC-24 V - Input: 18-36 VDC - Max Output: 5 V/25 A, 3.3 V/36 A, +12 V/3 A, -12 V/0.5 A - Dimension: 3U, 8HP - Cooling: Forced airflow mandatory! - Characteristics: Hot swapable, redundant
<b>M-STYLE POWER SUPPLY</b>	180 WATT AC  120 WATT DC	CP3-SVE-M180AC - Input: 85-264 VAC - Max Output: 5 V/20 A, 3.3 V/14 A, +12 V/2 A, -12 V/1 A. - Dimension: 3U, 12HP - Cooling: Free convection airflow - Characteristics: Not hot swapable, not redundant CP3-SVE-M120-VW - Input: 24, 36, 48, 72, 96, 110 VDC nominal - Max Output: 5V/20A, 3.3V/14A, +12V/10A, -12V/0.5A - Dimension: 3U, 6HP - Cooling: Free convection airflow - Characteristics: Extended temperature, conformal coating, EN50155 redundant, not hot swapable

For further information refer to the respective data sheets and manuals of the power supplies or CompactPCI® backplanes.



// CP-ASM4R-84F-P200AC-B0800-STD2

► TECHNICAL INFORMATION

<p><b>COMPACTPCI® BACKPLANE</b></p>	<p><b>FOR P47 STYLE PSU</b></p> <p><b>FOR M-STYLE PSU</b></p>	<p>CP3-BP8-P47-KIT-RIO          - PSU connector: P47          - Slot: 8, all 32 bit with Rear I/O right          - System slot: right          CP3-BP4-M-KIT-RIO          - PSU connector: M-style          - Slot: 4, all 32 bit with Rear I/O right          - System slot: right          CP3-BP8-M-KIT-RIO          - PSU connector: M-style          - Slot: 8, all 32 bit with Rear I/O right          - System slot: right</p>
<p><b>1U FAN TRAY</b></p>	<p>84HP / 1U-275MM / 3.6W</p> <p>84HP / 1U-275MM / 15W</p> <p>42HP / 1U-235MM / 1.2W</p> <p>42HP / 1U-235MM / 5.6W</p>	<p>CP-MKIT-FAN-84-3          - Power consumption: 12 VDC / 3x 1.2 Watt          - Airflow: 3x 95 m<sup>3</sup>/h (56cfm) / average of 1.25 m/s (250lfm)          CP-MKIT-FAN-84-15          - Power consumption: 12 VDC / 3x 5 Watt          - Airflow: 3x 170 m<sup>3</sup>/h (100cfm) / average of 2.5 m/s (500lfm)          CP-MKIT-FAN-42-1          - Power consumption: 12 VDC / 1x 1.2 Watt          - Airflow: 1x 95 m<sup>3</sup>/h (56cfm) / average of 0.8 m/s (160lfm)          CP-MKIT-FAN-42-5          - Power consumption: 12 VDC / 4x 1.4 Watt          - Airflow: 4x 56 m<sup>3</sup>/h (33cfm) / average of 1.1 m/s (220lfm)</p>
<p><b>DISK DRIVE ASSEMBLY KITS</b></p>	<p><b>SINGLE 2.5" SATA HDD/SSD</b>  <b>DOUBLE 2.5" SATA HDD/SSD</b></p>	<p>CP-HDD-S-KIT-S          CP-HDD-S-KIT-D</p>
<p><b>GENERAL*</b></p>	<p><b>AMBIENT TEMPERATURE</b>  <b>HUMIDITY</b>  <b>PROTECTION</b>  <b>OVER VOLTAGE CATAGORY</b>  <b>PROTECTION CLASS</b>  <b>EMI</b>  <b>SAFETY</b></p>	<p>0 °C to +50 °C          Up to 93 % RH at 40 °C, non-condensing (acc. To IEC 60068-2-78)          IP20          2          1          EN55022 / EN55024          designed to meet EN 62368-1</p>

\* All systems described in the ordering list are conform to or better than.

## ▶ ORDERING INFORMATION

ARTICLE *	DESCRIPTION
<b>COMPACTPCI® CARD CAGE 84HP</b>	
CP-ASM3R-84-P200AC-B0800-STD2 CP-ASM4R-84F-P200AC-B0800-STD2	3U CompactPCI® Rack with RIO option, 84HP, P47-style 200 Watt AC PSU and 8 slot backplane, 4U variant including 1U fantray
CP-ASM3R-84-M120DCWV-B0800-STD2 CP-ASM4R-84F-M120DCWV-B0800-STD2	3U CompactPCI® Rack with RIO option, 84HP, M-style 120 Watt wide range PSU 24, 36, 48, 72, 96, 110 VDC (nominal) operating and 8 slot backplane, 4U variant including 1U fantray
CP-ASM3-84 . CP-ASM4-84F	Any kind of additional 3U and 4U customized rack assemblies on request
<b>COMPACTPCI® CARD CAGE 42HP</b>	
CP-ASM3-42 CP-ASM4-42F	3U and 4U customized rack assemblies on request
CP-ASM4R-44F-M180AC-B0500-STD-TT	4U CompactPCI® table top rack with RIO option and fans, 44HP, M-style 180 Watt AC PSU, 5 slot backplane
<b>DISK DRIVE ASSEMBLY KITS</b>	
CP-HDD-S-KIT-S	SATA HDD/SSD carrier, 1 slot backplane, SATA cable
CP-HDD-S-KIT-D	2x SATA HDD/SSD carrier, 2 slot backplane, 2x SATA cable
CP-MKIT-CDROM	on request

\*Drives and CompactPCI® boards can be integrated on request. Additional customized rack variants on request.

### Dedicated system platforms

Ask for your entire platform solution for 3U CompactPCI®, based on a CP-ASM3/CP-ASM4 rack variant and the right selection out of Kontron's rich CPU blade portfolio, including periphery which fulfills your I/O, storage and networking requirements. Optionally, you may perform the hardware integration yourself. Or, in order to fully concentrate on your application, you may leave the integration to Kontron or your local Kontron integration partner. Consequently, you may leave the platform responsibility to them, comprising co-operability of components, obsolescence management, environmental and EMC criteria of the system.

### Dedicated project management

As a global company, Kontron has knowledgeable teams and integration partners to support you in your region. Through your local project manager you have worldwide access to immense specialist know-how. Your project manager guides you securely through the entire design-in process to production ready product by means of a precise gate project plan. This allows you to concentrate on your core business and still retain an overview and full control of development, documentation, and production, including unique test processes, systems and procedures.

## ▶ CORPORATE OFFICES

### EUROPE

**EMCOMO Solutions AG**  
Industriestr. 10, 89231  
Neu-Ulm, Germany  
Tel.: +49 731 880 3510  
Fax: +49 731 880 35129  
kontron@emcomo.de  
www.emcomo.de

### 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

1~2F, 10 Building, No. 8 Liangshuihe 2nd Street,  
Economical & Technological Development Zone,  
Beijing, 100176, P.R.China  
Tel.: +86 10 63751188  
Fax: +86 10 83682438  
info@kontron.cn