Ready available 3U CompactPCI® Card Cages

» 19" Racks with RIO and FAN Options
» Industrial Power Supplies from 14 VDC to 260 VAC
» Backplanes with 2 to 8 Slot Segments
» EMI protected and CE compliant
CP-ASM3 is a series of ready integrated standard card cages for 3U CompactPCI®, based on the quality and experience of the technology leader.

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. It provides outstanding.

» 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

#### Dimensions
- **84HP Rack**: 445 x 132 x 282mm / 84HP, 3U, 275mm
- **42HP Rack**: 220 x 132 x 242mm / 42HP, 3U, 235mm
- **84HP Fan Tray**: 445 x 45 x 282mm / 84HP, 1U, 275mm
- **42HP Fan Tray**: 220 x 45 x 242mm / 42HP, 1U, 235mm

#### P47-Style Power Supply
- **200 Watt AC**
  - CP3-SVE-P200AC
    - Input: 85-264 VAC
    - Max Output: 5V/40A, 3.3V/40A, +12V/5.5A, -12V/1.5A.
    - Dimension: 3U, 8HP
    - Characteristics: Hot swapable, redundant

- **200 Watt DC**
  - CP3-SVE-P200DC
    - Input: 36 - 75 VDC
    - Max Output: 5V/40A, 3.3V/40A, +12V/5.5A, -12V/1.5A.
    - Dimension: 3U, 8HP
    - Characteristics: Hot swapable, redundant

- **200 Watt DC**
  - CP3-SVE-P200DC
    - Input: 18-36 VDC
    - Max Output: 5V/25A, 3.3V/36A, +12V/3A, -12V/0.5A
    - Dimension: 3U, 8HP
    - Characteristics: Hot swapable, redundant

#### M-Style Power Supply
- **180 Watt AC**
  - CP3-SVE-M180AC
    - Input: 85-264 VAC
    - Max Output: 5V/20A, 3.3V/14A, +12V/2A, -12V/1A.
    - Dimension: 3U, 12HP
    - Characteristics: Not hot swapable, not redundant

- **150 Watt DC**
  - CP3-SVE-M150DC
    - Input: 36-76 VDC
    - Max Output: 5V/14A, 3.3V/14A, +12V/2A, -12V/1A.
    - Dimension: 3U, 12HP
    - Characteristics: Not hot swapable, not redundant

- **100 Watt DC**
  - CP3-SVE-M100DC
    - Input: 14.4-154
    - Max Output: 5V/10A, 3.3V/12A, +12V/9A
    - Dimension: 3U, 12HP
    - Characteristics: Extended temperature, conformal coating, EN50155

For further information refer to the respective manuals of the power supplies or CompactPCI® backplanes.
### Technical Information

**CompactPCI® Backplane**

**for P47 style PSU**
- CP3-BP8-P47-RIO
  - PSU connector: P47
  - Slot: 8, all 32 bit with Rear I/O
  - System slot: right

**for M-style PSU**
- CP3-BP8-M-RIO
  - PSU connector: M-style
  - Slot: 8, all 32 bit with Rear I/O
  - System slot: right

**1U Fan Tray**

<table>
<thead>
<tr>
<th>84HP / 1U-275mm</th>
<th>CP-MKIT-FAN 23774</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Power consumption: 12 VDC / 3.6 Watt</td>
</tr>
<tr>
<td></td>
<td>Airflow: 3 x 95m³/h (56cfm) / average of 1.25 m/s (250lfm)</td>
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</table>

<table>
<thead>
<tr>
<th>84HP / 1U-275mm</th>
<th>CP-MKIT-FAN 27707</th>
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<tr>
<td></td>
<td>Power consumption: 12 VDC / 15 Watt</td>
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<tr>
<td></td>
<td>Airflow: 3 x 170m³/h (100cfm) / average of 2.5 m/s (500lfm)</td>
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<table>
<thead>
<tr>
<th>42HP / 1U-235mm</th>
<th>CP-MKIT-FAN 26729</th>
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<tr>
<td></td>
<td>Power consumption: 12 VDC / 1.2 Watt</td>
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<tr>
<td></td>
<td>Airflow: 1 x 95m³/h (56cfm) / average of 0.8 m/s (160lfm)</td>
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<thead>
<tr>
<th>42HP / 1U-235mm</th>
<th>CP-MKIT-FAN 29417</th>
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<tr>
<td></td>
<td>Power consumption: 12 VDC / 5.6 Watt</td>
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<tr>
<td></td>
<td>Airflow: 3 x 56m³/h (33cfm) / average of 1.1 m/s (220lfm)</td>
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</table>

**Disk Drive Assembly Kits**

- Single 2.5” SATA HDD/SSD
  - CP-HDD-S-KIT-S

- Double 2.5” SATA HDD/SSD
  - CP-HDD-S-KIT-D

**General**

- Ambient temperature
  - 0°C to +50°C

- Humidity
  - Up to 93% RH at 40°C, non-condensing (acc. To IEC 60068-2-78)

- Protection
  - Over voltage category
    - 2
  - Protection class
    - 1

- EMI
  - EN55022 / EN55024

- Safety
  - EN60950-1

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

<table>
<thead>
<tr>
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<tbody>
<tr>
<td><strong>CompactPCI® Card Cage 84HP</strong></td>
</tr>
<tr>
<td>CP-ASM3R-84-P200AC-B0800-STD</td>
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<tr>
<td>CP-ASM4R-84F-P200AC-B0800-STD</td>
</tr>
<tr>
<td>CP-ASM3R-84-P200DC48V-B0800-STD</td>
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<tr>
<td>CP-ASM4R-84F-P200DC48V-B0800-STD</td>
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<td>CP-ASM3R-84-P200DC24V-B0800-STD</td>
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<td>CP-ASM4R-84F-P200DC24V-B0800-STD</td>
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<td>CP-ASM4R-84F-M180AC-B0800-STD</td>
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<td><strong>CompactPCI® Card Cage 42HP</strong></td>
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### Disk Drive Assembly Kits

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<td>CP-HDD-S-KIT-S</td>
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<tr>
<td>CP-HDD-S-KIT-D</td>
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<tr>
<td>CP-MKIT-CDROM</td>
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<td>CP-DVDRW-SATA</td>
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</tbody>
</table>

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

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### Moreover: dedicated system platforms

Ask for your entire platform solution for 3U CompactPCI®, based on a CP-ASM3 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, and consequently address the platform responsibility to Kontron, which includes co-operability, obsolescence, environmental and EMC criteria of the system.

### Dedicated project management

As a global company, Kontron has knowledgeable teams 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.

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