3U CompactPCI Carrier KIT for 2.5” HDD/SSD

» Versatile solution for installation in 3U and 6U 19”enclosures
» Rugged design
» Hot pluggable HDD/SSD carrier boards
» SATA II compliant
In more and more CompactPCI system applications storage solutions are needed. The CP-HDD-S-KIT offers such a flexible solution.

It consists of one or two carrier boards plus a special designed backplane. The versatile design allows the CP-HDD-S-KIT to be installed in all 19” enclosures, regardless of whether 3U or 6U CompactPCI. For a maximum of resistance against shock and vibration, the CP-HDD-S-KIT is equipped with two guide pins per carrier board.

In addition the CP-HDD-S carrier boards are mounted on aluminium frames to guarantee best mechanical stability. The CP-HDD-S provides LED’s for activity and optional error indication. Furthermore the carrier boards are fully hot pluggable. This makes it easy to accomplish a replacement without the need to shutdown the complete system environment.

### Technical Information

#### CP-HDD-S-KIT Components
- 1x or 2x 3U/4HP carrier boards
- 3U, single slot backplane for 1x carrier board or 3U, double slot backplane for 2x carrier boards
- SATA cable (not angled) and guide rails (suitable for Schroff subracks)
- 1x input power and LED signals cable for the single slot backplane
- Optionally 1x LED signals cable for the dual slot backplane

#### CP-HDD-S Carrier Board
- 3U/4HP carrier board for installation of 1x 2.5" HDD or SSD
- Aluminium frame
- One standard 2.5" SATA disk interface, SATA II compliant
- Activity LED, optional Error LED (will be controlled by a RAID controller only)
- Option to mount a HDD/SSD protection cover

### Backplane

#### Single slot
- One standard SATA interface connector
- Power input via special connector plus adapter cable
- Metal guide pins for enhanced stability

#### Double slot
- Two standard SATA interface connectors
- Power input via bolts or alternatively Molex connector
- Metal guide pins for enhanced stability

#### Compliancy

- CompactPCI® Core Specification PICMG 2.0 Rev. 3.0
- Designed to meet or exceed:
  - Safety: UL 60950-1, CSA 22.2 No 60950-1, EN60950-1
  - EMC/EMI: EN 55022 / EN 55024, EN 50081-1 / EN 61000-6-2
  - EN50155 class 1B (shock and vibration)

### General

#### Dimensions
- CP-HDD-S: 111.5 x 171 mm, 3U
- Backplane single slot: 129 x 20 mm
- Backplane double slot: 129 x 40 mm

#### Weight
- CP-HDD-S-KIT-D: 500g
- CP-HDD-S-KIT-S: 250g

#### MTBF
- CP-HDD-S: 4,333,512h acc. MIL-HDBK 217FN2, Ground Benign GB, controlled @30°C

#### Power Consumption
- Depends on HDD/SSD installed, typ. 5 watt per HDD

#### Environmental

- Operating Temp.: -40°C to +85°C (w/o HDD/SSD)
- Storage Temp.: -40°C to +85°C (w/o HDD/SSD)
- Climatic Humidity: 93% RH at 40°C, non-condensing (acc. to IEC 60068-2-78)

### Ordering Information

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<th>Description</th>
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<tr>
<td>CP-HDD-S-KIT</td>
<td>1x CP-HDD-S SSD/HDD carrier, 3U single slot backplane, SATA cable, guide rails, input power cable</td>
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<tr>
<td>CP-HDD-S-KIT-S</td>
<td>2x CP-HDD-S SSD/HDD carrier, 3U double slot backplane, SATA cables, guide rails</td>
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<tr>
<td>CP-HDD-2.5-SATA-xxx</td>
<td>Various sizes of onboard 2.5&quot; SATA HDD</td>
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