cPCIS-2600/2800 Series

Versatile 3U Platform with Hot-Swappable Fans and Chassis Alarm

Features

- Supports both 3U CompactPCI and PXI modules
- CompactPCI specifications 2.0 R2.0 compliant
- Equipped with one system slot and up to 12 CompactPCI peripheral slots backplane.
- Equipped with 400W ATX power supply or up to 750W CompactPCI redundant power supply.
- Hot-swappable fans design for easy replacement
- Filtered, forced-air cooling architecture
- Temperature, voltage and fan monitoring LEDs
- 4U high rackmount and benchtop installation

Specifications

CompactPCI® Standards
- CompactPCI® 2.0 R2.0

Form Factor
- 3U CompactPCI® with 50mm depth rear I/O for cPCIS-2600 Series, 80mm depth rear I/O for cPCIS-2800 Series

Enclosure
- EIA RS-310C 19” 4U high rackmount enclosure
- Coated metal plate outer covering
- Guarded power switch and reset button

Alarm Module
- Monitors inner chassis temperature and fan status
- Abnormal status will generate alarm and LED warning
- Alarm reset
- LED shows power voltage status on 5V, 3.3V, 12V, and -12V

Cooling System
- Front-access hot-swappable low noise fan trays for intake:
  - 12V DC brush-less, ball bearings
  - Five fan trays with 36 CFM/fan
- Rated fan speed 2800 RPM
- Rated power for each fan: 1.56 W

Power Supply
- Optional industrial grade ATX power supply or PICMG® 2.11 47-pin 3U cPCI power modules, depending on subsystem configuration

Backplane
- 3U backplanes, model dependant on subsystem configuration

Dimensions
- 448.4 x 177.8 x 258 (mm, W x H x D, excluding brackets) for cPCIS-2600 Series
- 448.4 x 177.8 x 288 (mm, W x H x D, excluding brackets) for cPCIS-2800 Series

Operating Temp.
- 0˚C to 60˚C

Storage Temp.
- -20˚C to 80˚C

Humidity
- 5% to 95%, non-condensing

Shock
- 15 G peak-to-peak, 11ms duration, non-operation

Vibration
- Non-operation: 1.86 Grms, 5-500 Hz, each axis
- Operation: 0.5 Grms, 5-500 Hz, each axis, tested with 2.5” HDD

Mechanical Layout

- Front-Access Hot-Swappable Fans
- Temperature, Voltage and Fan Monitoring LEDs
- Redundant Power Supply

ADLINK TECHNOLOGY INC.

5-2
**cPCIS-2630/cPCIS-2830**

3U CompactPCI® Subsystem with 8-slot Backplane and 400 W ATX Power Supply

**Features**
- 3U CompactPCI® backplane with seven peripheral slots and one system slot
- Temperature, voltage, and fan monitoring LEDs
- Supports rear I/O backplane with P2 connectors for cPCI 50mm/80mm depth RTMs
- Temperature, voltage, and fan monitoring LEDs
- Hot-swappable cooling fans & filter
- 400 W ATX Power supply

**Ordering Information**

<table>
<thead>
<tr>
<th>Model Name</th>
<th>System</th>
<th>Peripheral</th>
<th>Rear</th>
<th>Alarm Module</th>
<th>PSU QTY</th>
<th>PSU MAX</th>
<th>PICMG®</th>
</tr>
</thead>
<tbody>
<tr>
<td>cPCIS-2630/cPCIS-2830</td>
<td>1</td>
<td>7</td>
<td>1 *only system slot</td>
<td>Yes</td>
<td>1</td>
<td>400 W</td>
<td>2.0, 2.1</td>
</tr>
<tr>
<td>cPCIS-2630R/cPCIS-2830R</td>
<td>1</td>
<td>7</td>
<td>8</td>
<td>Yes</td>
<td>1</td>
<td>400 W</td>
<td>2.0, 2.1</td>
</tr>
</tbody>
</table>

Note: All models above do not include any system or peripheral boards.

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**cPCIS-2632/cPCIS-2832**

3U CompactPCI® Subsystem with 8-slot Backplane and 1 + 1 CompactPCI® Redundant Power Modules

**Features**
- 3U CompactPCI® backplane with seven peripheral slots and one system slot
- Temperature, voltage, and fan monitoring LEDs
- Supports current sharing on +5 V, +3.3 V, and +12 V
- 1 + 1 hot swappable 250 W + 250 W CompactPCI® power supplies
- PICMG® 2.11 47-pin power interface
- Hot-swappable cooling fans & filter
- Supports rear I/O backplane with P2 connectors for cPCI 50mm/80mm depth RTMs

**Ordering Information**

<table>
<thead>
<tr>
<th>Model Name</th>
<th>System</th>
<th>Peripheral</th>
<th>Rear</th>
<th>Alarm Module</th>
<th>PSU QTY</th>
<th>PSU MAX</th>
<th>PICMG®</th>
</tr>
</thead>
<tbody>
<tr>
<td>cPCIS-2632/cPCIS-2832</td>
<td>1</td>
<td>7</td>
<td>1 *only system slot</td>
<td>Yes</td>
<td>2</td>
<td>500 W (1 + 1)</td>
<td>2.0, 2.1, 2.11</td>
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<tr>
<td>cPCIS-2632R/cPCIS-2832R</td>
<td>1</td>
<td>7</td>
<td>8</td>
<td>Yes</td>
<td>2</td>
<td>500 W (1 + 1)</td>
<td>2.0, 2.1, 2.11</td>
</tr>
</tbody>
</table>

Note: All models above do not include any system or peripheral boards.
cPCIS-ET2632(R)

Features
- 3U CompactPCI® backplane with seven peripheral slots and one system slot
- Temperature, voltage, and fan monitoring LEDs
- Supports current sharing on +5 V, +3.3 V, and +12 V
- 1 + 1 hot swappable 250 W + 250 W CompactPCI® power supplies
- PICMG® 2.11 47-pin power interface
- Hot-swappable cooling fans & filter
- Supports rear I/O backplane with P2 connectors for cPCI 50mm depth RTMs
- cPCI power supply support wide temperature range operation from -20°C to +70°C (-20°C to +50°C at full load with at least 400LFM air flow, power efficiency derating linearly to 50% at +70°C.)

Ordering Information

<table>
<thead>
<tr>
<th>Model name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>cPCIS-ET2632</td>
<td>3U cPCI Rackmount &amp; Portable sub-system w/ 4U Enclosure Cooling Fans, Alarm, 32-bit 8-slot BP and two ETT 3U PSUs.</td>
</tr>
<tr>
<td>cPCIS-ET2632R</td>
<td>3U cPCI Rackmount &amp; Portable sub-system w/ 4U Enclosure Cooling Fans, Alarm, 32-bit 8-slot BP support rear I/O and two ETT 3U PSUs</td>
</tr>
</tbody>
</table>

Note: All models above do not include any system or peripheral boards.

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cPCIS-2633/cPCIS-2833

3U CompactPCI® Subsystem with 13-slot Backplane, 2 + 1 CompactPCI® Redundant Power Modules

Features
- 3U CompactPCI® backplane with 12 peripheral slots and one system slot
- 2 + 1 hot swappable 500 W + 250 W CompactPCI® Power supply (supports three 250 W PSUs)
- Temperature, voltage, and fan monitoring LEDs
- Supports current sharing on +5V, +3.3V, and +12V
- PICMG® 2.11 47-pin power interface
- Hot-swappable cooling fans & filter
- Supports rear I/O backplane with P2 connectors for cPCI 50mm/80mm depth RTMs

Ordering Information

<table>
<thead>
<tr>
<th>Model Name</th>
<th>System</th>
<th>Peripheral</th>
<th>Rear</th>
<th>Alarm Module</th>
<th>PSU QTY</th>
<th>PSU MAX</th>
<th>PICMG®</th>
</tr>
</thead>
<tbody>
<tr>
<td>cPCIS-2633/cPCIS-2833</td>
<td>1</td>
<td>12</td>
<td>1</td>
<td>Yes</td>
<td>3</td>
<td>750 W (2 + 1)</td>
<td>2.0, 2.1, 2.11</td>
</tr>
<tr>
<td>cPCIS-2633R/cPCIS-2833R</td>
<td>1</td>
<td>12</td>
<td>13</td>
<td>Yes</td>
<td>3</td>
<td>750 W (2 + 1)</td>
<td>2.0, 2.1, 2.11</td>
</tr>
</tbody>
</table>

Notes: 1. All models above do not include any system or peripheral boards.
2. One cPCI segment, removable PCI to PCI bridge card for bus extension, system slot in the middle.
cPCIS-2642/cPCIS-2842

Dual 3U CompactPCI® Subsystem with two 6-slot Backplanes and two CompactPCI® Power Modules

Features
- Dual 3U CompactPCI® systems, each with five peripheral slots and one system slot
- 1/1 250 W CompactPCI® Power supplies
- Temperature, voltage, and fan monitoring LEDs
- Supports current sharing on +5 V, +3.3 V, and +12 V
- PICMG® 2.11 47-pin power interface
- Hot-swappable cooling fans & filter
- Supports rear I/O backplane with P2 connectors for cPCI 50mm/80mm depth RTMs

Ordering Information

<table>
<thead>
<tr>
<th>Model Name Segment System Peripheral Rear</th>
<th>Alarm Module</th>
<th>PSU QTY</th>
<th>PSU MAX</th>
<th>PICMG®</th>
</tr>
</thead>
<tbody>
<tr>
<td>cPCIS-2642/cPCIS-2842 2 1/1 5/5 1/1</td>
<td>Yes</td>
<td>1/1</td>
<td>250 W</td>
<td>2.0, 2.1, 2.11</td>
</tr>
<tr>
<td>cPCIS-2642R/cPCIS-2842R 2 1/1 5/5 6/6</td>
<td>Yes</td>
<td>1/1</td>
<td>250 W</td>
<td>2.0, 2.1, 2.11</td>
</tr>
</tbody>
</table>

Note: All models above do not include any system or peripheral boards.

3U Enclosure with 32-bit Backplane and ATX/CompactPCI® Redundant Power Supply

cPCIS-1100A/1102

Features
- 3U CompactPCI® single system, seven peripheral slot configuration or dual system, five peripheral slot configuration
- Equipped with single PS/2 form factor 400 W ATX power supply or CompactPCI® redundant power supply (Max. output 500 W)
- Suitable for both rackmount and desktop applications
- Comprehensive EMC shielding
- Optional rear I/O configuration (cPCI 50mm depth RTMs)

Ordering Information

<table>
<thead>
<tr>
<th>Model Name Segment System Peripheral Rear</th>
<th>PSU QTY</th>
<th>PSU MAX</th>
<th>PICMG®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single System, 400W ATX Power Supply cPCIS-1100A 1 1 7</td>
<td>1*</td>
<td>400 W</td>
<td>2.0, 2.1</td>
</tr>
<tr>
<td>cPCIS-1100AR 1 1 7</td>
<td>1*</td>
<td>400 W</td>
<td>2.0, 2.1</td>
</tr>
<tr>
<td>Single System, 250W x 2 CompactPCI® Power Supplies cPCIS-1102 1 1 7</td>
<td>2*</td>
<td>500 W (250 W x2)</td>
<td>2.0, 2.1, 2.11</td>
</tr>
<tr>
<td>cPCIS-1102R 1 1 7</td>
<td>2*</td>
<td>500 W (250 W x2)</td>
<td>2.0, 2.1, 2.11</td>
</tr>
</tbody>
</table>

Notes: 1. External cooling fan is required. 2. Power Supply Module description: • 1*: Universal Auto Switching 400 W Power Supply • 2*: CompactPCI® redundant power supply x2 (500 W) 3. All models above do not include any system or peripheral boards. 4. DC input models available for OEM programs

Specifications

- CompactPCI® Standard: 2.0 R2.0
- Form Factor: 3U cPCI
- Enclosure: 19" 3U rackmount enclosure
- Power Supply: Optional industrial grade ATX power supply or PICMG® 2.11 47-pin 3U cPCI power module(s), dependent on subsystem configuration
- Backplane: 3U backplane(s), model dependent on subsystem configuration
- Dimensions: 482.56 x 133.35 x 250.0 mm (W x H x D)
- Certifications: DIN IEC 68-2-6 test FC, DIN IEC 68-2-27 test Es, DIN41494, part 5, IEC 60297-3, EIA 310-D

http://www.adlinktech.com/cPCI/