



Features

- Standard 6U CompactPCI® and PICMG® 2.5 H.110 CT Bus
- PICMG® 2.1 Hot Swap compliant 32-bit or 64-bit 5-slot CompactPCI® backplane with P3 & P5 rear I/O
- PICMG® 2.11 Standard CompactPCI® 47-Pin Interface
- Two + One hot swappable 500 W + 250 W redundant power supplies with universal AC input
- Built-in slim type floppy and slim type EIDE CD-ROM
- Dual-removable ATA HDD racks and SCSI HDD racks
- Guarded power switch and reset button
- Redundant cooling architecture

Specifications

| | |
|-----------------------|---|
| Enclosure | EIA RS-310C 19" 4U high rackmount enclosure Coated metal plate outer covering |
| CompactPCI® Standards | 2.0 R3.0, 2.1 R2.0, 2.5 R1.0 |
| Form Factor | 6U cPCI |
| Backplane | cBP-6415U: 5-slot 64-bit 6U CT Bus Backplane cBP-6105R: 5-slot 32-bit 6U CT Bus Backplane |
| Power Supply | Supports up to 3 in-rack 3U cPCI 8HP power modules Supports current sharing on 5 V, 3.3 V, and 12 V PICMG® 2.11 47-pin power interface Available power module: cPS-H325/AC |
| Basic Alarm Module | Monitors inner chassis temperature and fan status Abnormal status will generate alarm and LED warning Alarm reset LED showing power voltage status on 5 V, 3.3 V, 12 V, and -12 V |
| Cooling System | Front-access hot-swappable fan tray for intake: <ul style="list-style-type: none"> • 12 V DC brush-less, precise dual-ball bearing • One 150 CFM fan for in-take • Rated speed for each fan: 4000 ±250 RPM • Rated power for each fan: 17.4 W Removable fan module for ventilation: <ul style="list-style-type: none"> • 12 V DC brush-less, VAPO bearing • Four 9.46 CFM fans for ventilation • Rated speed for each fan: 8000 ±1000 RPM • Rated power for each fan: 1.8 W |

| | |
|--------------------------------|---|
| Cooling System (cont'd) | Rear-access hot-swappable fan modules for drive bays: <ul style="list-style-type: none"> • 12 V DC brush-less, VAPO bearing • Two 10.8 CFM fan modules for ventilation • Rated speed for each fan: 8200 ±1000 RPM • Rated power for each fan: 1.6 W Rear-access hot-swappable fan modules for ventilation: <ul style="list-style-type: none"> • 12 V DC brush-less, VAPO bearing • One 110 CFM fan for ventilation • Rated speed for each fan: 4800 ±250 RPM • Rated power for each fan: 12 W |
| Drive Bay (model dependent) | Built-in one slim type floppy, one slim type EIDE CD-ROM Dual-removable ATA-100 3.5" HDD racks or 80-pin SCAII SCSI HDD racks or SATA HDD rack |
| Dimensions | 482.6 x 177.0 x 350.6 (mm, W x H x D, w/ handle) |
| Weight | 14.5 kg/32 lbs (including 280 W ATX power supply and backplane) |
| Operating Temp. | 0° to 55°C (dependent on system configuration) |
| Storage Temp. | -20° to 80°C |
| Humidity | 5% to 95%, non-condensed |
| Shock | 15 G peak-to-peak, 11 ms duration, non-operation |
| Vibration | Non-operation: 1.88 Grms, 5-500 Hz, each axis Operation: 0.5 Grms, 5-500 Hz, each axis, tested with 2.5" HDD |
| NEBS | Designed for NEBS Level 3 |

Recommended Configurations

| CPU Board (System slot) | Rear I/O Board |
|---|--------------------------|
| cPCIS-6400U/32/AC | |
| cPCI-6780V, cPCI-6780VS, cPCI-6780S | cPCI-R6780S, cPCI-R6780V |
| cPCI-6841 | |
| cPCIS-6400U/AC or cPCIS-6400US/AC or cPCIS-6400UA/AC | |
| cPCI-6780V, cPCI-6780VS, cPCI-6780S | cPCI-R6780S, cPCI-R6780V |
| cPCI-6860A | cPCI-R6860A, cPCI-R6860L |
| cPCI-6811AA (1) | cPCI-R6820 |
| cPCI-6820AA, cPCI-6820AB (1) | cPCI-R6820 |
| cPCI-6840, cPCI-6840V (1) | cPCI-R6840, cPCI-R6841 |
| cPCI-6841 | |
| cPCI-6910 (2) | cPCI-R6911 |
| cPCI-6920* (1) | cPCI-R6920 |

Note 1: Does not support FDD.

Note 2: Recommended Chassis: cPCIS-6400US/AC

Product Matrix

| | IDE | SCSI | SATA |
|-------------------------|-------------------|-----------------|-----------------|
| 32-bit Backplane | cPCIS-6400U/32/AC | | cPCIS-3330/DC4 |
| 64-bit Backplane | cPCIS-6400U/AC | cPCIS-6400US/AC | cPCIS-6400UA/AC |

Ordering Information

Modules

| Model Number | Description/Configuration |
|--------------------------|---|
| cPCIS-6400U/32/AC | 4U CompactPCI® Sub-system, 5-slot 32-bit, RIO Config with three cPS-H325/AC PSU, CD, FDD, Dual-ATA HD Racks |
| cPCIS-6400U/AC | 4U CompactPCI® Sub-system, 5-slot 64-bit, RIO Config with three cPS-H325/AC PSU, CD, FDD, Dual-ATA HD Racks |
| cPCIS-6400US/AC | 4U CompactPCI® Sub-system, 5-slot 64-bit, RIO Config with three cPS-H325/AC PSU, CD, FDD, Dual-SCSI HD Racks |
| cPCIS-6400UA/AC | 4U CompactPCI® Sub-system, 5-slot 64-bit, RIO Config with three cPS-H325/AC PSU, CD, FDD, SATA Hot-swap Racks |

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

Mechanical Layout



Rear View

