

5U Hybrid Enclosure

5U enclosure with six hot swappable blowers, CPCI/CPCIe hybrid backplane, two 300-watt power supplies, bridge board and switch board included.

PN: OSS-CPCIe-5U-ENCL-HYB-600

Features

- 5U x 21-slot wide NEBS-quality enclosure with rear I/O
- 3U hybrid CPCI/CPCIe backplane (OSS-EBP-3U-HYB)
- Two 300-watt hot swappable power supplies
- Six hot swappable blowers (3 above card cage and 3 below) provide excellent front-to-rear airflow
- AC input and on/off switch on rear of enclosure
- DC input also available



Specifications

| Backplane Specifications | |
|---------------------------|---|
| | One 2 link system with rear I/O |
| | One x16 type 1 peripheral slot with rear I/O |
| | Two x4 type 1 peripheral slots with rear I/O |
| | Three x4 type 2 peripheral slots with rear I/O |
| | One switch slot as defined in PICMG EXP.0 |
| | One Hybrid Bridge Board to allow bridging the CPCIe backplane segment to the legacy backplane segment |
| | Four 32-bit/33MHz legacy slots with rear I/O |
| | These slots support rear I/O. Connections to at least 1 SATA or 1 SAS hard disk drive in front removable canisters right of the system slot. Connection to at least one USB laptop style thin floppy disk drive right of the system slot. Connections to at least two PICMG 2.11 3U compatible power supplies. The backplane supports as many power and signal headers and traces possible to reduce the number and/or length of cables inside the chassis. All slots in the backplane support hot-swap. |
| Hybrid Bridge board (HYB) | |
| | Form Factor 3U or 6U CompactPCI Express, PICMG EXP.0, Single Slot |
| | Slot Type PICMG EXP.0 bussed hybrid slot |
| | Bridge PLX PEX 8114 |
| | Front Panel Indicators Bank of 4 PCIe lane active indicators (green) |
| | Backplane: Interfaces One x4 PCI Express link on Advanced |
| | Differential Fabric (ADF) connector XJ3. One 32-Bit/33 or 66 MHz PCI bus on HM connector J1 & power/additional PCI signals. |

| Switch Board (SW) | |
|------------------------------|---|
| Form Factor: | 3U CompactPCI Express, PICMG EXP.0, single slot |
| Slot Type: | PICMG EXP.0 switch slot |
| Power Consumption: | 3.3V @ 2A |
| Front Panel Indicators: | Bank of 8 PCIe link-active indicators (green) |
| Temperature Range: | 0° to 55°C (32° to 122°F) |
| Power Supply Specifications: | |
| AC Input | 90-264 Vac continuous range, 47 to 63 Hz |
| Cooling: | 15 cfm, 225 lfm airflow required for cooling |
| Thermal Protection: | Shuts down power supply if overheated, Automatic recovery |
| Temperature Range: | 0 to 40 degrees centigrade at full ratings De-rate 2.5% per degree centigrade from 40 degrees to 70 degrees centigrade Unit will start up at -20 degrees centigrade |
| MTBF | Power consumption 3.3V @ 2A |
| Safety Agency: | Temperature Range 0° to 55°C (32° to 122°F) |
| Mechanical Dimensions: | 3U x 8HP W, 160 mm board depth Utilizes a 47-pin modular connector in accordance with PICMG Power Interface Specification 2.11 |