



CPCI Hybrid Bridge Board (HYB)

Product #OSS-CPCle-3U-IOe-HYB
OSS-CPCle-6U-IOe-HYB



Specifications

Mechanical form factor	3U or 6U CompactPCI Express, PICMG EXP.0, Single Slot
Slot type	PICMG EXP.0 bussed hybrid slot
Board dimensions (H x L x W)	<ul style="list-style-type: none"> • 3U: 3.937 x 6.3 x .062 in (100 x 160 x 1.6 mm) • 6U: 7.874 x 6.3 x .062 in (200 x 160 x 1.6 mm)
Bridge	PLX PEX 8114
Backplane interfaces	<ul style="list-style-type: none"> • 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
Front panel indicators	Bank of 4 PCIe lane active indicators (green)
CPCI interface specifications	<ul style="list-style-type: none"> • 32-bit at 66 or 33 MHz • 3.3V I/O • Internal arbiter supports up to 4 external masters • 4 CPCI slots (up to 4 PCI clocks/bus requests/bus grants)
Power	3.3V @ 2A
Operating Environment	<ul style="list-style-type: none"> • Temperature Range: 0° to 55°C (32° to 122°F) • Relative Humidity: 5 to 90% non-condensing • Shock: 30g acceleration peak (11ms pulse) • Vibration: 5-17 Hz 0.5" double amplitude displacement; 7-2000Hz, 1.5g acceleration

Description

The Hybrid bridge board provides a bridge between CPCI Express (EXP.0) and CPCI slots in a One Stop Systems hybrid backplane. The bridge board resides on the CPCle bus and supports forward bridging. Active bridge components on the backplane are not necessary when the bridge board occupies the hybrid bridge slot on the backplane.

Features

- Power & PCI Bus Signals (XJ4)
- 3U or 6U CompactPCI Express form factor
- CPCI Express Fabric Connector (XJ3)
- CPCI 32-bit/33-66MHz Connector (J1)
- Lane Status LEDs

Ordering Options:

OSS-HYB-3U: 3U CPCle to CPCI bridge board

OSS-HYB-6U: 6U CPCle to CPCI bridge board

