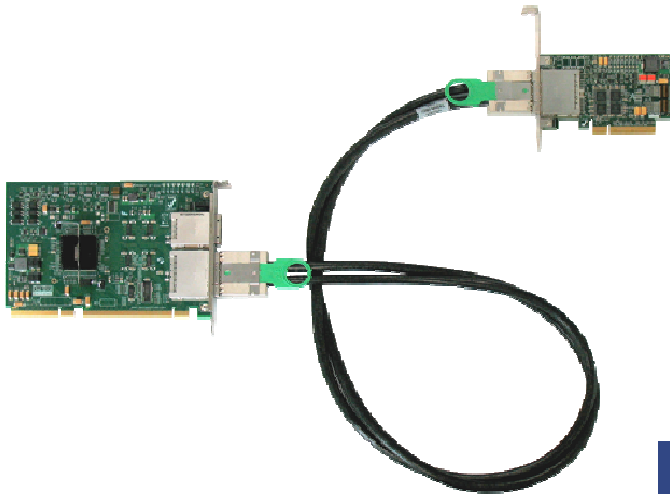


# PCIe x8 Gen 1 Host to ELB Kit

PCIe x8 Gen 1 expansion kit with PCIe x8 Gen 1 host cable adapter, PCIe x8 Gen 2 expansion link board, and PCIe x8 2M cable. OSS-KIT-EXP-7100



The host adapter card inserts into any PCI Express x8 or x16 slot on the host motherboard. The high speed cable allows data transfers to and from the host at 20Gb/s.

The target PCIe x4/x8 expansion link board installs in the system host slot of a PCIe backplane, seamlessly connecting a downstream I/O device to the host computer without software.

## TECHNICAL SPECIFICATIONS

### PCIe x8 Host Cable Adapter

Form Factor	x8 PCIe add-in card
Dimensions (H x L)	2.713 x 4.335 " (68 x 109mm)
Front Panel Connectors	Molex 75586-0010
Front Panel Indicators	Optional Cable Present LED
Redriver	Pericom PI2EQX4402
Temperature Range	0° to 50°C (32° to 122°F)
Relative Humidity	10 to 90% non-condensing
Shock	30g acceleration peak (11ms pulse)
Vibration	5-17 Hz 0.5" double amplitude displacement; 7-2000Hz, 1.5g acceleration
Power Consumption	1.8V: 2.4A@4.32W 3.3V: Host Mode: 3.1A@10.3W Target Mode: 3.2A@10.5
Agency Compliance	FCC Class B CE RoHS

### PCIe x4/x8 Gen 2 Expansion Link Board

Form Factor	PICMG 1.3 SHB Express system slot compliant
Slot Type	System slot for the expansion chassis
Dimensions (H x L)	4.375 x 6.6 in (111 x 161 mm) 1 slot wide
Switch	PLX PEX8632 32 lane switch
Upstream Interface	PCIe x4 over cable, PCIe x8 over cable
Downstream Interface	20 lanes of PCI Express can be auto-configured as: One x16 and one x4 PCIe links, Two x8 and one x4 PCIe links, Five x4 PCIe links
Front Panel Connectors	1 PCIe x4 cable connector, 1 PCIe x8 cable connector
Front Panel Indicators	1 green LED for x4, 1 green LED for x8
Internal Indicators	Power In-range Indicators for +12V, +3.3V & VTT (Red/Green), Power on indicator for +1V (Green) Bank of 5 board status indicators (Red)
Optional Features	Switch Control: 3 banks of DIP switches for PEX8632 Configuration, Switch Debug Port: Internal JTAG communications header, Heat Sink: On-board fan header provided for optional heat sink fan
Operating Temperature	0° to 70°C (32° to 158°F)
Storage Temperature	-40° to 85°C (-40° to 185°F)
Operating Humidity	10 to 90% non-condensing
Storage Humidity	5 to 95% non-condensing
Shock	30g acceleration peak (11ms pulse)
Vibration	5-17 Hz 0.5" double amplitude displacement; 7-2000Hz, 1.5g acceleration
Power Consumption	9W typical, 11.4W max +12V @ 0.675A max, 3.3V @ 1.0A Max, 5V aux @ 2.5mA max
Agency Compliance	FCC Class B, CE, RoHS



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