



PCIe x8 Gen 3 SFF-8644 Embedded Cable Adapter

PCIe x8 Gen 3 embedded cable adapter is a free-standing adapter board that expands the PCIe bus from a PCIe x8 mini-SAS HD CMI cable connector to a PCIe x16 connector utilizing a PCIe x8 link.

PN: OSS-PCIe-ECA68-x8

Features

- Operates at up to 64Gb/s at PCIe Gen 3 speeds
- Features two x4 SFF-8644 Mini SAS HD CMI cable inputs
- Single downstream PCIe x8 slot (physically x16) for IO
- Versatile board installs in small space
- Requires no additional software
- Supports any PCIe x1, x4, x8 or x16 add-in card
- ATX power connector provides power to the card edge connector for the add-in board
- Power and cable present LED on front panel



Specifications

Form Factor:	Custom OSS ECA Form Factor
Dimensions:	5.30 x 2.70" (13.46 x 6.85 cm)
Power:	370mA @3.3V
Connectors:	<ul style="list-style-type: none">• PCIe x8 cable connector with SFF-8644 mini-SAS HD CMI interface• PCIe x16 slot connector (electrically x8)• ATX connector for input power to ECA and add-in card
Operating Temperature:	0°C to +50°C
Storage Temperature:	-40°C to 85°C
Operating Humidity:	10% to 90% relative humidity non-condensing
Storage Humidity:	5% to 95% relative humidity non-condensing
PCB:	Meg4 high speed material Thickness .063 +/-0.008 inch (1.6 +/- 0.2mm)
PCIe	<ul style="list-style-type: none">• Texas Instruments DS80PCI402SQE• Two 8GT/s four lane redrivers• <5ns latency
LEDs:	Front panel: <ul style="list-style-type: none">• Cable present LED• Power good LED
Agency Compliance:	Designed to meet: FCC Class A CE RoHS

Dimensional Drawing

