



## 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

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

# Dimensional Drawing

