

PCIe x16 Gen 3 Switch-based Cable Adapter

PCIe x16 Gen 3 switch-based host interface board with PCIe quad SFF-8644 cable connectors with ability to be configured as x18, two x8 or four x4 cable ports. The cable adapter operates in host or target mode with a DIP switch setting change.

PN: OSS-PCIe-HIB68-x16

Features

- Operates at up to 128Gb/s at PCIe Gen 3 speeds
- No driver required
- Copper and Fiber cable options up to 100m
- Uses mini-SAS HD or CMI cables
- Half-height, half-length form factor
- Operates in host or target mode



Specifications

Form Factor:	PCIe 3.0 x16 half-height, half-length
Dimensions:	5.85 x 2.34" (14.85 x 5.94 cm) at 0.063" (1.6mm) thickness
Bandwidth:	128Gb/s
Connectors:	<ul style="list-style-type: none"> • PCIe x16 card edge connector • Quad SFF-8644 connectors on the bracket: <ul style="list-style-type: none"> ○ Compliant to PCI-SIG PCI Express® External Cable Specification 3.0
Bracket:	Standard and low profile brackets available <ul style="list-style-type: none"> • Upstream link status • Downstream link status
PCIe Switch:	Broadcom PLX PEX8733 <ul style="list-style-type: none"> • 8.0 GT/s 32-Lane PCI Express Gen 3 Switch • DMA controller • SSC Isolation
Switch Latency	150ns
Cable Types:	Supports the following cable types: <ul style="list-style-type: none"> • PCIe 3.0 CMI copper cables • MiniSAS-HD copper cables • MiniSAS-HD fiber cables up to 100m
Cable Connection Modes	One x16 host connection via edge card to : <ul style="list-style-type: none"> • One x16 cable connection • Two x8 cable connections • Four x4 cable connections

Power:	17W max <ul style="list-style-type: none"> • 1.5A @ 3.3V • 900mA @ 12V • 250mA @ 3.3V aux
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
Agency Compliance:	Designed to meet the following agency standards: <ul style="list-style-type: none"> • FCC - Part 15 Class A, 47CFR; Canada ICES-003, issue 4, Class A; Japan: VCCI, Class A; CE Emissions 2004-108EC • UL/IEC 60950-1; Canada: CSA C22.2 No. 60950-1; Argentina: IEC60950-1; IEC 60950-1 (CB Certificate and CB Test Report) • CE Mark (EN55022 Class A, EN60950-1, EN55024, EN61000-3-2, EN61000-3-3) • CISPR 22, CISPR 24, Class A; Australia/New Zealand AS/NZS CISPR 22, Class A • RoHS 6 of 6 compliance (Directive 2002/95/EC)