

# PCIe x16 Gen 3 Switch-Based Cable Adapter

Part Number: 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



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.

## 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	PCIe x16 card edge connector Quad SFF-8644 connector on the bracket: Compliant to PCI-SIG PCI Express® External Cable Specification 3.0
Bracket	Standard and low profile brackets available Upstream link status Downstream link status
PCIe Switch	Broadcom PLX PEX8733 8 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"> <li>o PCIe 3.0 CMI copper cables</li> <li>o MiniSAS-HD copper cables</li> <li>o MiniSAS-HD fiber cables up to 100m</li> </ul>
Cable Connection Modes	One x16 host connection via edge card to: <ul style="list-style-type: none"> <li>o One x16 cable connection</li> <li>o Two x8 cable connections</li> <li>o Four x4 cable connections</li> </ul>
Power	60W max 1.5A @ 3.3V 4.5A @ 12V 250mA @ 3.3V aux
Operating Temperature	0 °C to +50 °C
Storage Temperature	-40 °C to 85 °C

## SPECIFICATIONS CONTINUED

Part Number: OSS-PCIe-HIB68-x16

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"><li>o FCC - Part 15 Class A, 47CFR; Canada ICES-003, issue 4, Class A; Japan: VCCI, Class A; CE Emissions 2004-108EC</li><li>o UL/IEC 60950-1; Canada: CSA C22.2 No. 60950-1; Argentina: IEC60950-1; IEC 60950-1 (CB Certificate and CB Test Report)</li><li>o CE Mark (EN55022 Class A, EN60950-1, EN55024, EN61000-3-2, EN61000-3-3)</li><li>o CISPR 22, CISPR 24, Class A; Australia/New Zealand AS/NZS CISPR 22, Class A</li><li>o oHS 6 of 6 compliance (Directive 2002/95/EC)</li></ul>