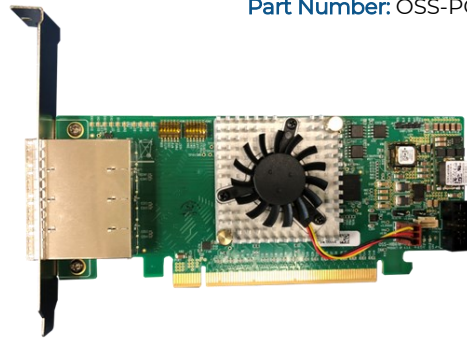


# PCIe x16 Gen 4 Cable Adapter

Part Number: OSS-PCIe-HIB616-x16

## FEATURES

- Operates at up to 256Gb/s at PCIe Gen 4 speeds
- No driver required
- Copper and Fiber cable options up to 100m
- Half-height, half-length form factor
- Uses mini-SAS HD or CMI cables
- Operates in host or target mode
- Guaranteed to operate with all OSS expansion products



PCIe x16 Gen 4 host interface board with PCIe quad SFF-8644 cable connectors as used in the PCISIG PCI Express External Cable Specification can be configured as x16, two x8, one x8 and two x4 or four x4 cable ports. The cable adapter operates in host or target mode with a DIP switch setting change.

## SPECIFICATIONS

Form Factor	PCIe 4.0 x16 half-height, half-length
Dimensions	6.6" x 2.65" (16.76 x 6.73 cm) at 0.063" (1.6mm) thickness
Bandwidth	256Gb/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
PCIe Switch	Broadcom PLX PEX88032 16 GT/s 32-Lane PCI Express Gen 4 Switch DMA controller SSC Isolation
Switch Latency	150ns
Cable Types	Supports the following cable types: <ul style="list-style-type: none"> <li>o SFF-8644 PCIe 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 One x8 and two x4 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-HIB616-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 RoHS 6 of 6 compliance (Directive 2002/95/EC)</li></ul>