

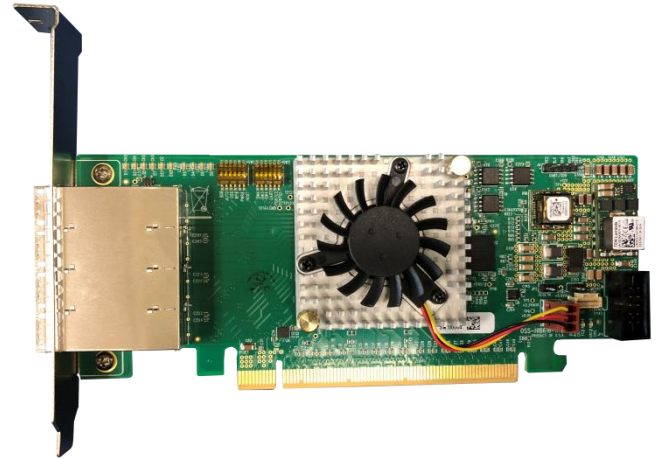
# PCIe x16 Gen 4 Cable Adapter

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.

PN: 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



## 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:	<ul style="list-style-type: none"> <li>• PCIe x16 card edge connector</li> <li>• Quad SFF-8644 connector on the bracket: <ul style="list-style-type: none"> <li>◦ Compliant to PCI-SIG PCI Express® External Cable Specification 3.0</li> </ul> </li> </ul>
Bracket:	Standard and low profile brackets available
PCIe Switch:	Broadcom PLX PEX88032 <ul style="list-style-type: none"> <li>• 16 GT/s 32-Lane PCI Express Gen 4 Switch</li> <li>• DMA controller</li> <li>• SSC Isolation</li> </ul>
Switch Latency	150ns
Cable Types:	Supports the following cable types: <ul style="list-style-type: none"> <li>• SFF-8644 PCIe CMI copper cables</li> <li>• MiniSAS-HD copper cables</li> <li>• 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>• One x16 cable connection</li> <li>• Two x8 cable connections</li> <li>• One x8 and two x4 connections</li> <li>• Four x4 cable connections</li> </ul>

Power:	60W max <ul style="list-style-type: none"> <li>• 1.5A @ 3.3V</li> <li>• 4.5A @ 12V</li> <li>• 250mA @ 3.3V aux</li> </ul>
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"> <li>• FCC - Part 15 Class A, 47CFR; Canada ICES-003, issue 4, Class A; Japan: VCCI, Class A; CE Emissions 2004-108EC</li> <li>• 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>• CE Mark (EN55022 Class A, EN60950-1, EN55024, EN61000-3-2, EN61000-3-3)</li> <li>• CISPR 22, CISPR 24, Class A; Australia/New Zealand AS/NZS CISPR 22, Class A</li> <li>• RoHS 6 of 6 compliance (Directive 2002/95/EC)</li> </ul>