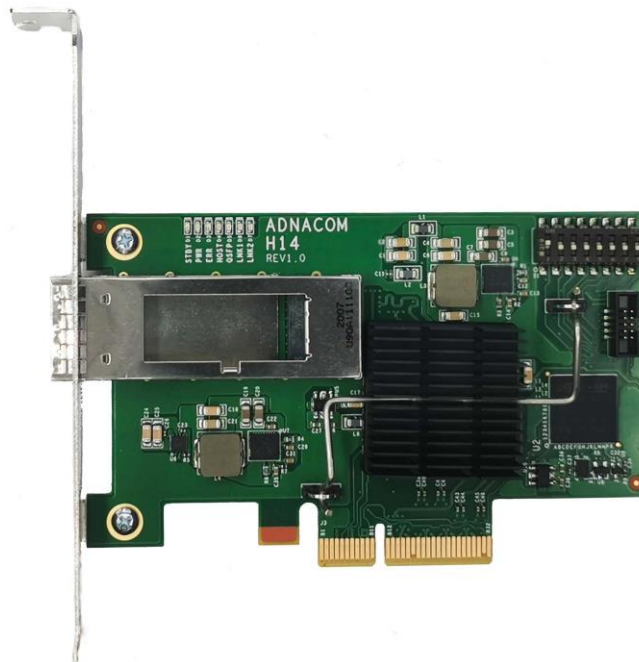


PCIe Gen 3 x4 Host Adapter



The H14 is a PCIe Gen 3 host adapter intended to extend the computer PCIe bus over one QSFP+ fiber-optic or copper cables. The adapter is based on a PCIe switch operating in a transparent mode. No additional programming and drivers are required.

Product Features:

- Cable data rate up to 32 GT/s
- Operates with one QSFP+ cables interfacing one, or two remote PCIe ports
- Standard pluggable QSFP+ transceivers and cables
- Supports Reset, Power On, and Wake with AOC
- Optical isolation with optical cable
- Transparent operation
- Operating temperature: -40⁰ to +85⁰ C

Specifications

Cable Interface	<ul style="list-style-type: none"> • PCIe Gen 3 • One x4 downstream port, 32 GT/s • Two x2 downstream ports, 16 GT/s per port • Separate Refclk with No SSC (SRNS) Architecture • 100 MHz constant clock
Cable Connectors	One QSFP connector
Cable Type	<ul style="list-style-type: none"> • QSFP Active Optical Cable (AOC) • QSFP Direct Attach Cable (DAC)
Auxiliary Cable Signals	Reset, Power On, Wake with AOC
PCIe Switch	Broadcom PEX8718 <ul style="list-style-type: none"> • 8.0 GT/s 16-Lane PCI Express Gen 3 Switch • Spread-Spectrum Clock Isolation
Diagnostic Interface	Configuration and status monitor via web interface
Form Factor	Low profile card with PCIe x4 edge connector
Dimensions	4.36 x 2.73" (112 x 69 mm)
Brackets	Standard and low-profile brackets
Power Consumption	8 W max (without optical transceivers)
Operating Temperature	-40°C to 85°C with appropriate cables and air flow
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	FCC, CE, RoSH

Ordering Information

Part Number	Description
H14	<ul style="list-style-type: none"> • H14 PCIe Gen 3 host adapter with standard bracket • Low profile bracket • Cable is not included