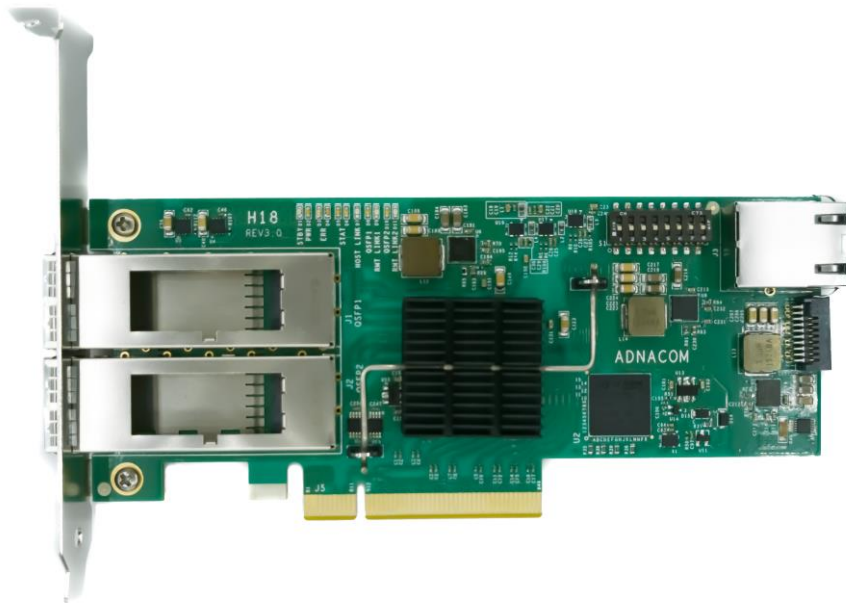


PCIe Gen 3 Host Adapter



The H18 is a PCIe Gen 3 host adapter intended to extend the computer PCIe bus over one or two 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 64 GT/s
- Operates with one or two QSFP+ cables interfacing one, two or four remote PCIe ports
- Standard pluggable QSFP+ transceivers and cables
- Supports Reset, Power On, and Wake with AOC
- Optical isolation with optical cables
- Transparent operation
- Web-based diagnostic interface
- Operating temperature: -40^o to +85^o C

Specifications

| | |
|--------------------------------|---|
| Cable Interface | <ul style="list-style-type: none"> • PCIe Gen 3 • One x8 downstream port, 64 GT/s • Two x4 downstream ports, 32 GT/s per port • Four x2 downstream ports, 16 GT/s per port • Separate Refclk with No SSC (SRNS) Architecture • 100 MHz constant clock |
| Cable Connectors | Two QSFP connectors |
| 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 x8 edge connector |
| Dimensions | 6.20 x 2.73" (157 x 69 mm) |
| Brackets | Standard and low-profile brackets |
| Power Consumption | 10 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 |
|-------------|---|
| H18 | <ul style="list-style-type: none"> • PCIe Gen 3 host adapter with standard bracket • Low profile bracket • Cable is not included |