

# HP Store Fabric 16Gb FC/10GbE SFP+



The best of both FC and Ethernet communications  
in a single transceiver

## Single Transceiver Supports Both Fibre Channel and Ethernet Communications

HP's Store Fabric 16Gb FC/10GbE Converged SFP+ is the industry's first optical transceiver that can support up to 16Gb FC (4/8/16Gb) and 10GbE traffic up to 100m in a single transceiver. With HP's new versatile converged SFP+, customers no longer have to buy and manage multiple transceivers based on separate networks or waste time trying to find, replace, and even re-wire their networks when shifting from fibre channel to Ethernet. HP's new Store Fabric Converged SFP+ simplifies deployment. Buy once—and wire once! You get it all from HP.



## Benefits

### Supports both FC and Ethernet

Supports both FC and Ethernet environments simultaneously without having to change optics for 16Gb FC, 8Gb FC, 4Gb FC and 10GbE.

### Better inventory management

Reduces both HP and customers' spare inventory by replacing two optic formats with just one optic.

### Reduced customer downtime

Reduces customer downtime for reconfiguring from FC to Ethernet or vice versa, since the customer only has to software configure the transceiver vs. physical replacement of optics.

### Multiple protocol support

Helps future proof the customer's data center by allowing multiple protocols via the same transceiver.

### Reduced customer complexity

Reduces customer complexity by reducing the number of transceiver SKUs that they need to support their data center.

### Reduces customer cost

Reduces customer cost by having a single transceiver that supports 16Gb/8Gb/4Gb FC or 10GbE up to 100m.

## Features

- Supports 16Gb/s Fibre Channel and 10GBASE Ethernet
- 100m on high-bandwidth 50/125um (OM3) MM fibres
- Duplex LC connector for bi-directional data links
- Hot-pluggable SFP+ device
- Built-in digital diagnostic functions
- Built-in CDR with shut off control
- 850nm VCSEL laser transmitter
- RoHS compliant and lead free
- Single 3.3V power supply
- Bail latch color code of optical SFP+ module is green
- Dimensions (H x W x D): 8.5 x 13.4 x 56.5 mm. typically weigh 75 grams or less

## Technical specifications

<b>SKU</b>	H6Z42A				
<b>SFP+ type</b>	16 Gb/s <sup>1</sup> , 10 Gb/s SW 850 nm MMF				
<b>Wavelength</b>	840 to 860 nm				
<b>Cable type</b>	MMF				
<b>SFP+ port cabling specification (16G FC and 10G Base Ethernet)</b>					
<b>Core size</b>	<b>Modal bandwidth (MHz<sup>1</sup> km)</b>	<b>Cable type</b>	<b>Cable distance (m) 16G FC and 10GE</b>	<b>Cable distance (m) 8G FC</b>	<b>Cable distance (m) 4G FC<sup>2</sup></b>
62.5	200	OM1	15	21	70
50	500	OM2	35	50	150
50	2000	OM3	100	150	380
50	3000	OM4	125	190	400
<b>Transmitter power (dBm)<sup>3</sup></b>	Maximum -1 <sup>4</sup>	Minimum -7.8			
<b>Receiver power (dBm)<sup>3</sup></b>	Maximum -1	Minimum -11			
<b>BER Maximum<sup>5</sup></b>	10 <sup>-12</sup>				
<b>Commercial temperature range</b>	0 to 70°C (32 to 158°F)				
<b>Storage temperature range</b>	-40 to 85°C (-40 to 185°F)				
<b>Relative humidity RH</b>	0 to 85%				
<b>Supply voltage range</b>	3.15 to 3.45V				
<b>Maximum power consumption</b>	1W per SFP+ module				
<b>Regulatory and standards compliance</b>	HP's H6Z42A SFP+ transceiver is designed for use in Fibre Channel links up to 14.025Gb/s data rate and 10Gb/s Ethernet links over multimode fibre. They are compliant with FC-PI-5 Rev.6.00a, SFF-8472 Rev 11.0c and SFF-8081h, and compatible with SFF-8432b and applicable portions of SFF-8431 Rev. 4.1d. The product is RoHS compliant and lead-free per Directive 2002/95/ECe.				
<b>Warranty<sup>6</sup></b>	3-0-0 Three-year parts exchange warranty. Additional warranty protection can be purchased. HP Global Services provides a three-year, limited warranty, fully supported by a worldwide network of resellers and service providers and toll-free 7 x 24 hardware technical phone support for the duration of the warranty. In addition, available service offerings include a full range of HP Care Pack packaged hardware and software services.				

<sup>1</sup> Actual transmission speed is 14Gb/s.

<sup>2</sup> Minimum data rate is 4GFC

<sup>3</sup> Transmitter and receiver power is in average, unless specified

<sup>4</sup> The launch power shall be the lesser of the class 1 safety limit or the maximum receive power. Class 1 Laser Safety limit per FDA/CDRH, and EN (IEC) 60825 laser safety standards.

<sup>5</sup> PRBS 2<sup>7</sup>-1 for 4G FC and 8G FC, PRBS 2<sup>31</sup>-1 for 16G FC and 10GE

<sup>6</sup> Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.

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