

Platform Information

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HPE 10GbaseT SFP+ transceiver QuickSpecs

The 10GBase-T SFP+ transceiver will transmit 10GbpE over up to 30m using Cat 6a/7 cable, providing high speed bi-directional communication links over copper media.

The HPE 10GBase-T SFP+ Transceiver enables 10GbE connectivity up to 30m over Cat 6a/7 copper cabling, offering a cost-effective, high-speed link for server, storage, and switch connections. It is MSA-compliant (SFF-8431/8432) and uses a standard RJ-45 connector, ensuring broad interoperability. The module is part of HPE's extended catalog designed for specialized workloads requiring performance and flexibility.

Models

Extended

This transceiver is part of an extended catalog of products tailored for customers in specific markets or with specific workloads, requiring the utmost in performance or value, but typically have a longer lead-time.

HPE 10GBase-T SFP+ Transceiver

813874-B21

Standard Features

At a Glance Features

- SFF-8431 and SFF-8432 MSA Compliant
 - Supports Links up to 30m using Cat 6a/7 Cable
 - RJ45 connector
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Service and Support

For the most up-to-date information on HPE Services, please refer to the [HPE Services - Supplemental QuickSpecs](#), which provides a comprehensive and regularly updated overview of available services.

Technical Specifications

HPE 10GBase-T SFP+ Transceiver (813874-B21)	Ports	1 10-GbE SFP+ port; Duplex: full only	
	Connectivity	Connector type	RJ45
	Physical characteristics	Dimensions	2.8(d) x 0.53(w) x 0.55(h) in. (7.11 x 1.35 x 1.40 cm)
		Weight	0.04 lb., Fully loaded
		Transceiver form factor	SFP+
	Environment	Operating temperature	32°F to 158°F (0°C to 70°C)
		Operating relative humidity	5% to 95%, noncondensing
		Non-operating/Storage temperature	-40°F to 185°F (-40°C to 85°C)
		Non-operating/Storage relative humidity	5% to 95%, noncondensing
		Altitude	Up to 10,000 ft. (30 km)
	Electrical characteristics	Power consumption typical	2.3 W
		Power consumption maximum	2.5 W
	Cabling	Cable type:	Cat 6a/7 cable
		Maximum distance:	30 m
		Fiber type	Copper
	Notes	Check switch release notes for minimum version of software required to support this transceiver.	
		Some switches have limits as to how many of this particular transceiver can be installed.	
		See the release notes of the switch software/firmware being used for more details.	

Operating System and Virtualization Support

The Operating Systems supported by this adapter are based on the server OS support. Please refer to the OS Support Matrix at <https://www.hpe.com/us/en/servers/server-operating-systems.html>.

Environment-friendly Products and Approach - End-of-life Management and Recycling

Hewlett Packard Enterprise offers end-of-life [product return, trade-in, and recycling programs](#), in many geographic areas, for our products. Products returned to Hewlett Packard Enterprise will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE Directive (2012/19/EU) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the [Hewlett Packard Enterprise website](#). These instructions may be used by recyclers and other WEEE treatment facilities as well as Hewlett Packard Enterprise OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.

Summary of Changes

Date	Version History	Action	Description of Change
20-Jul-2026	Version 7	Changed	Service and Support Section was updated.
16-Feb-2026	Version 6	Changed	New branding applied to document.
04-Dec-2023	Version 5	Changed	Service and Support Section was updated.
15-Nov-2021	Version 4	Changed	Service and Support Section was updated.
05-Feb-2018	Version 3	Changed	Technical specifications were updated.
11-Dec-2015	Version 2	Changed	Overview section was updated.
11-Dec-2015	Version 1	Changed	Overview section was updated.

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