

# HPE QSFP+ Transceiver QuickSpecs

**HPE QSFP+ Transceivers provide high-density 40Gb connectivity for modern data centers, delivering reliable performance, low power consumption, and seamless integration with HPE servers, switches, and interconnects.**

HPE QSFP+ Transceivers enable standards-based 40Gb Ethernet deployment across HPE networking and compute platforms. Models such as the 40Gb QSFP+ MPO SR4 (720187-B21) and 40Gb QSFP+ Bidirectional (841716-B21) provide flexible optical options for leaf-spine fabrics and blade enclosure networks. Validated interoperability and HPE Services support ensure consistent performance and streamlined lifecycle management.

## Overview

### Models

HPE BladeSystem c-Class 40Gb QSFP+ MPO SR4 100m Transceiver

720187-B21

HPE 40Gb QSFP+ Bidirectional Transceiver

841716-B21

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## Service and Support

### HPE Services

No matter where you are in your digital transformation journey, you can count on HPE Services to deliver the expertise you need when, where, and how you need it. From planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

<https://www.hpe.com/services>

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### Consulting Services

No matter where you are in your journey to hybrid cloud, experts can help you map out your next steps. From determining what workloads should live where, to handling governance and compliance, to managing costs, our experts can help you optimize your operations.

<https://www.hpe.com/services/consulting>

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### HPE Managed Services

HPE runs your IT operations, providing services that monitor, operate, and optimize your infrastructure and applications, delivered consistently and globally to give you unified control and let you focus on innovation.

[HPE Managed Services | HPE](#)

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### Operational Services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources. Meet service-level targets and business objectives with features designed to drive better business outcomes.

<https://www.hpe.com/services/operational>

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### HPE Complete Care Service

HPE Complete Care Service is a modular, edge-to-cloud IT environment service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals through a personalized experience. All delivered by an assigned team of HPE Services experts. HPE Complete Care Service provides:

- A complete coverage approach – edge to cloud
- An assigned HPE team
- Modular and fully personalized engagement
- Enhanced Incident Management experience with priority access
- Digitally enabled and AI-driven customer experience

<https://www.hpe.com/services/complecare>

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## Service and Support

### HPE Tech Care Service

HPE Tech Care Service is the operational support service experience for HPE products. The service goes beyond traditional support by providing access to product specific experts, an AI-driven digital experience, and general technical guidance to not only reduce risk but constantly search for ways to do things better. HPE Tech Care Service delivers a customer-centric, AI-driven, and digitally enabled customer experience to move your business forward. HPE Tech Care Service is available in three response levels. Basic, which provides 9x5 business hour availability and a 2-hour response time. Essential which provides a 15-minute response time 24x7 for most enterprise level customers, and Critical, which includes a 6-hour repair commitment, where available and outage management response for severity 1 incidents.

<https://www.hpe.com/services/techcare>

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### HPE Lifecycle Services

HPE Lifecycle Services provide a variety of options to help maintain your HPE systems and solutions at all stages of the product lifecycle. A few popular examples include:

- Lifecycle Install and Startup Services: Various levels for physical installation and power on, remote access setup, installation and startup, and enhanced installation services with the operating system.
- HPE Firmware Update Analysis Service: Recommendations for firmware revision levels for selected HPE products, taking into account the relevant revision dependencies within your IT environment.
- HPE Firmware Update Implementation Service: Implementation of firmware updates for selected HPE server, storage, and solution products, taking into account the relevant revision dependencies within your IT environment.
- Implementation assistance services: Highly trained technical service specialists to assist you with a variety of activities, ranging from design, implementation, and platform deployment to consolidation, migration, project management, and onsite technical forums.
- HPE Service Credits: Access to prepaid services for flexibility to choose from a variety of specialized service activities, including assessments, performance maintenance reviews, firmware management, professional services, and operational best practices.

**Notes:** To review the list of Lifecycle Services available for your product go to:

<https://www.hpe.com/services/lifecycle>

For a list of the most frequently purchased services using service credits, see the [HPE Service Credits Menu](#)

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## Service and Support

### Other Related Services from HPE Services:

#### HPE Education Services

Training and certification designed for IT and business professionals across all industries. Broad catalogue of course offerings to expand skills and proficiencies in topics ranging from cloud and cybersecurity to AI and DevOps. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

<https://www.hpe.com/services/training>

#### Defective Media Retention

An option available with HPE Complete Care Service and HPE Tech Care Service and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and services options.

#### Parts and Materials

HPE will provide HPE-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recommended engineering improvements.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product QuickSpecs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

#### How to Purchase Services

Services are sold by Hewlett Packard Enterprise and Hewlett Packard Enterprise Authorized Service Partners:

- Services for customers purchasing from HPE or an enterprise reseller are quoted using HPE order configuration tools.
- Customers purchasing from a commercial reseller can find services at <https://ssc.hpe.com/portal/site/ssc/>

#### AI-Powered and Digitally Enabled Support Experience

Achieve faster time to resolution with access to product-specific resources and expertise through a digital and data-driven customer experience

Sign into the HPE Support Center experience, featuring streamlined self-serve case creation and management capabilities with inline knowledge recommendations. You will also find personalized task alerts and powerful troubleshooting support through an intelligent virtual agent with seamless transition when needed to a live support agent.

<https://support.hpe.com/hpesc/public/home/signin>

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## Service and Support

### Consume IT On Your Terms

[HPE GreenLake](#) edge-to-cloud platform brings the cloud experience directly to your apps and data wherever they are—the edge, colocations, or your data center. It delivers cloud services for on-premises IT infrastructure specifically tailored to your most demanding workloads. With a pay-per-use, scalable, point-and-click self-service experience that is managed for you, HPE GreenLake edge-to-cloud platform accelerates digital transformation in a distributed, edge-to-cloud world.

- Get faster time to market
- Save on TCO, align costs to business
- Scale quickly, meet unpredictable demand
- Simplify IT operations across your data centers and clouds

To learn more about HPE Services, please contact your Hewlett Packard Enterprise sales representative or Hewlett Packard Enterprise Authorized Channel Partner. Contact information for a representative in your area can be found at "Contact HPE" <https://www.hpe.com/us/en/contact-hpe.html>

For more information

<http://www.hpe.com/services>

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## Technical Specifications

**HPE BladeSystem c-Class 40Gb QSFP + MPO SR4 100m Transceiver(720187-B21)**

**Notes:** A 40-Gigabit transceiver in QSFP+ form-factor that supports the 4x10-Gigabit SR standard, providing 40-Gigabit connectivity up to 100m on multimode fiber.

<b>Ports</b>	1 MPO 40-GbE port (IEEE 802.3ba Type 40Gbase-SR4)
<b>Connectivity</b>	Connector type MPO
	Wavelength 850 nm
<b>Physical characteristics</b>	Dimensions 5.19(d) x 0.72(w) x 0.54(h) in. (13.18 x 1.835 x 1.371 cm)
	Weight 0.08 lb. (35 g)
	Transceiver form factor QSFP+
<b>Environment</b>	Operating temperature 32°F to 158°F (0°C to 70°C)
	Operating relative humidity 0% to 85%, noncondensing
	Nonoperating/S storage temperature -40°F to 185°F (-40°C to 85°C)
<b>Electrical characteristics</b>	Voltage supply 3.3 V
	Power consumption maximum 1.5 W
<b>Cabling</b>	Cable type OM3, OM4
	Cable length Up to 100 m (OM3); up to 150 m (OM4)
	Fiber type Multimode
<b>Notes</b>	For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish. Angled Physical Contact (APC) is not recommended.
<b>Services</b>	Refer to the Hewlett Packard Enterprise website at: <a href="http://www.hp.com/services/ bladesystem">http://www.hp.com/services/ bladesystem</a> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

## Technical Specifications

**HPE BladeSystem c-Class 40Gb QSFP + MPO SR4 300m Transceiver (747698-B21)**

**Notes:** A 40-Gigabit transceiver in QSFP+ form-factor that supports the 4x10-Gigabit SR standard, providing 40-Gigabit connectivity up to 300m on using standard MPO connector with multimode fiber.

<b>Ports</b>	1 MPO 40-GbE port (IEEE 802.3ba Type 40Gbase-SR4)
<b>Connectivity</b>	Connector type MPO
	Wavelength 850 nm
<b>Physical characteristics</b>	Dimensions 5.19(d) x 0.72(w) x 0.54(h) in. (13.18 x 1.835 x 1.371 cm)
	Weight 0.08 lb. (35 g)
	Transceiver form factor QSFP+
<b>Environment</b>	Operating temperature 32°F to 158°F (0°C to 70°C)
	Operating relative humidity 0% to 85%, noncondensing
	Non-operating/Storage temperature -40°F to 185°F (-40°C to 85°C)
<b>Electrical characteristics</b>	Voltage supply 3.3 V
	Power consumption maximum 1.5 W
<b>Cabling</b>	Cable type OM3, OM4
	Cable length Up to 300 m (OM3); up to 400 m (OM4)
	Fiber type Multimode
<b>Notes</b>	For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish. Angled Physical Contact (APC) is not recommended.
<b>Services</b>	Refer to the Hewlett Packard Enterprise website at: <a href="https://www.hpe.com/us/en/services/operational.html">https://www.hpe.com/us/en/services/operational.html</a> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

## Technical Specifications

**HPE BladeSystem  
c-Class 4x10G  
QSFP + MPO SR4  
100m Transceiver  
(805755-B21)**

**Notes:** A 40-Gigabit transceiver in QSFP+ form-factor that provides 4x10Gb connections using MPO to 4x10Gb LC Breakout Cable. This transceiver is designed only for use with HPE Virtual Connect FlexFabric 20/40 F8 Module.

<b>Ports</b>	1 MPO 40-GbE port (IEEE 802.3ba Type 40Gbase-SR4)
<b>Connectivity</b>	Connector type Wavelength
<b>Physical characteristics</b>	Dimensions Weight Transceiver form factor
<b>Environment</b>	Operating temperature Operating relative humidity Non-operating/Storage temperature
<b>Electrical characteristics</b>	Voltage supply Power consumption maximum
<b>Cabling</b>	Cable type Cable length Fiber type
<b>Notes</b>	For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish. Angled Physical Contact (APC) is not recommended.
<b>Services</b>	Refer to the Hewlett Packard Enterprise website at: <a href="https://www.hpe.com/us/en/services/operational.html">https://www.hpe.com/us/en/services/operational.html</a> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

## Technical Specifications

**HPE BladeSystem  
c-Class 4x10G  
QSFP + MPO SR4  
100m Transceiver  
(805755-B21)**

**Notes:** A 40-Gigabit transceiver in QSFP+ form-factor that provides 4x10Gb connections using MPO to 4x10Gb LC Breakout Cable. This transceiver is designed only for use with HPE Virtual Connect FlexFabric 20/40 F8 Module.

<b>Ports</b>	1 MPO 40-GbE port (IEEE 802.3ba Type 40Gbase-SR4)
<b>Connectivity</b>	Connector type MPO
	Wavelength 850 nm
<b>Physical characteristics</b>	Dimensions 5.19(d) x 0.72(w) x 0.54(h) in. (13.18 x 1.835 x 1.371 cm)
	Weight 0.08 lb. (35 g)
	Transceiver form factor QSFP+
<b>Environment</b>	Operating temperature 32°F to 158°F (0°C to 70°C)
	Operating relative humidity 0% to 85%, noncondensing
	Non-operating/Storage temperature -40°F to 185°F (-40°C to 85°C)
<b>Electrical characteristics</b>	Voltage supply 3.3 V
	Power consumption maximum 1.5 W
<b>Cabling</b>	Cable type OM3, OM4
	Cable length Up to 100 m (OM3); up to 150 m (OM4)
	Fiber type Multimode
<b>Notes</b>	For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish. Angled Physical Contact (APC) is not recommended.
<b>Services</b>	Refer to the Hewlett Packard Enterprise website at: <a href="https://www.hpe.com/us/en/services/operational.html">https://www.hpe.com/us/en/services/operational.html</a> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

## Summary of Changes

Date	Version History	Action	Description of Change
16-Feb-2026	<a href="#">Version 9</a>	Changed	New branding applied to document
04-Dec-2023	<a href="#">Version 8</a>	Changed	Service and Support Section was updated
15-Nov-2021	<a href="#">Version 7</a>	Changed	Service and Support Section was updated
06-May-2019	<a href="#">Version 6</a>	Changed	Technical Specifications section was updated
05-Feb-2018	<a href="#">Version 5</a>	Changed	Technical Specifications section was updated
31-Mar-2016	<a href="#">Version 4</a>	Changed	Overview and Technical Specifications section were updated.
		Added	SKU added in Overview section: 841716-B21
11-Dec-2015	<a href="#">Version 3</a>	Changed	Technical Specifications section was updated. QuickSpecs title was updated.
28-Sep-2015	<a href="#">Version 2</a>	Changed	Overview and Technical Specifications sections were updated.
10-Jun-2014	<a href="#">Version 1</a>	New	New QuickSpecs

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