

Overview

HPE QSFP+ Transceiver

Models

HP BladeSystem c-Class 40Gb QSFP+ MPO SR4 100m Transceiver	720187-B21
HP BladeSystem c-Class 40Gb QSFP+ MPO SR4 300m Transceiver	747698-B21
HP BladeSystem c-Class 40Gb QSFP+ LC LR4 Transceiver	720190-B21
HP BladeSystem c-Class 4x10G QSFP+ MPO SR4 100m Transceiver	805755-B21
HPE 40Gb QSFP+ Bidirectional Transceiver	841716-B21

Technical Specifications

HPE BladeSystem c- Ports

Class 40Gb QSFP+ MPO SR4 100m Transceiver (720187-B21)

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

Connectivity	1 MPO 40-GbE port (IEEE 802.3ba Type 40Gbase-SR4)										
Physical characteristics	<table border="0"> <tr> <td>Connector type</td> <td>MPO</td> </tr> <tr> <td>Wavelength</td> <td>850 nm</td> </tr> <tr> <td>Dimensions</td> <td>5.19(d) x 0.72(w) x 0.54(h) in. (13.18 x 1.835 x 1.371cm)</td> </tr> <tr> <td>Weight</td> <td>0.08 lb. (35 g)</td> </tr> <tr> <td>Transceiver form factor</td> <td>QSFP+</td> </tr> </table>	Connector type	MPO	Wavelength	850 nm	Dimensions	5.19(d) x 0.72(w) x 0.54(h) in. (13.18 x 1.835 x 1.371cm)	Weight	0.08 lb. (35 g)	Transceiver form factor	QSFP+
Connector type	MPO										
Wavelength	850 nm										
Dimensions	5.19(d) x 0.72(w) x 0.54(h) in. (13.18 x 1.835 x 1.371cm)										
Weight	0.08 lb. (35 g)										
Transceiver form factor	QSFP+										
Environment	<table border="0"> <tr> <td>Operating temperature</td> <td>32°F to 158°F (0°C to 70°C)</td> </tr> <tr> <td>Operating relative humidity</td> <td>0% to 85%, noncondensing</td> </tr> <tr> <td>Nonoperating/Storage temperature</td> <td>-40°F to 185°F (-40°C to 85°C)</td> </tr> </table>	Operating temperature	32°F to 158°F (0°C to 70°C)	Operating relative humidity	0% to 85%, noncondensing	Nonoperating/Storage temperature	-40°F to 185°F (-40°C to 85°C)				
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Cable type	OM3, OM4										
Cable length	Up to 100m (OM3); up to 150m (OM4)										
Fiber type	Multi-mode										
Notes	For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish. Angled Physical Contact (APC) is not recommended.										
Services	Refer to the Hewlett Packard Enterprise website at: http://www.hp.com/services/bladeSystem 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.										

HPE BladeSystem c- Ports

Class 40Gb QSFP+ MPO SR4 300m Transceiver (747698-B21)

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 multi-mode fiber.

Connectivity	1 MPO 40-GbE port (IEEE 802.3ba Type 40Gbase-SR4)										
Physical characteristics	<table border="0"> <tr> <td>Connector type</td> <td>MPO</td> </tr> <tr> <td>Wavelength</td> <td>850 nm</td> </tr> <tr> <td>Dimensions</td> <td>5.19(d) x 0.72(w) x 0.54(h) in. (13.18 x 1.835 x 1.371cm)</td> </tr> <tr> <td>Weight</td> <td>0.08 lb. (35 g)</td> </tr> <tr> <td>Transceiver form factor</td> <td>QSFP+</td> </tr> </table>	Connector type	MPO	Wavelength	850 nm	Dimensions	5.19(d) x 0.72(w) x 0.54(h) in. (13.18 x 1.835 x 1.371cm)	Weight	0.08 lb. (35 g)	Transceiver form factor	QSFP+
Connector type	MPO										
Wavelength	850 nm										
Dimensions	5.19(d) x 0.72(w) x 0.54(h) in. (13.18 x 1.835 x 1.371cm)										
Weight	0.08 lb. (35 g)										
Transceiver form factor	QSFP+										
Environment	<table border="0"> <tr> <td>Operating temperature</td> <td>32°F to 158°F (0°C to 70°C)</td> </tr> <tr> <td>Operating relative humidity</td> <td>0% to 85%, noncondensing</td> </tr> <tr> <td>Non-operating/Storage temperature</td> <td>-40°F to 185°F (-40°C to 85°C)</td> </tr> </table>	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)				
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Operating relative humidity	0% to 85%, noncondensing										
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Fiber type	Multi-mode										

Technical Specifications

Notes	For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish. Angled Physical Contact (APC) is not recommended.
Services	Refer to the Hewlett Packard Enterprise website at: http://www.hp.com/services/bladeSystem 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.

HPE BladeSystem c-Class 40Gb QSFP+ LC LR4 Transceiver (720190-B21) A 40-Gigabit transceiver in QSFP+ form-factor that supports the 4x10-Gigabit LR standard, providing 40-Gigabit connectivity up to 10km on single-mode fiber.	Ports	2 LC, 40-GbE port (IEEE 802.3ba Type 40Gbase-LR4)	
	Connectivity	Connector type LC	
	Physical characteristics	Wavelength	1310 nm
		Dimensions	5.19(d) x 0.72(w) x 0.54(h) in. (13.18 x 1.835 x 1.371cm)
	Environment	Weight	0.08 lb. (35 g)
		Transceiver form factor	QSFP+
	Electrical characteristics	Operating temperature	32°F to 158°F (0°C to 70°C)
		Operating relative humidity	0% to 85%, noncondensing
	Cabling	Non-operating/Storage temperature	-40°F to 185°F (-40°C to 85°C)
		Voltage Supply	3.3
	Notes	Power consumption maximum	1.5 W
Services	Cable type	Single Mode Fiber (SMF)	
	Maximum link length	up to 10km on SMF	
	Fiber type	Single-mode	
	Notes	For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish. Angled Physical Contact (APC) is not recommended.	
	Services	Refer to the Hewlett Packard Enterprise website at: http://www.hp.com/services/bladeSystem 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.	

HPE BladeSystem c-Class 4x10G QSFP+ MPO SR4 100m Transceiver (805755-B21) A 40-Gigabit transceiver in QSFP+ form-factor that provides 4x10Gb connections using MPO to 4x10Gb LC	Ports	1 MPO 40-GbE port (IEEE 802.3ba Type 40Gbase-SR4)	
	Connectivity	Connector type MPO	
	Physical characteristics	Wavelength	850 nm
		Dimensions	5.19(d) x 0.72(w) x 0.54(h) in. (13.18 x 1.835 x 1.371cm)
	Environment	Weight	0.08 lb. (35 g)
		Transceiver form factor	QSFP+
	Electrical characteristics	Operating temperature	32°F to 158°F (0°C to 70°C)
		Operating relative humidity	0% to 85%, noncondensing
	Cabling	Non-operating/Storage temperature	-40°F to 185°F (-40°C to 85°C)
		Voltage Supply	3.3
	Notes	Power consumption maximum	1.5 W
Services	Cable type	Single Mode Fiber (SMF)	
	Maximum link length	up to 10km on SMF	
	Fiber type	Single-mode	
	Notes	For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish. Angled Physical Contact (APC) is not recommended.	
	Services	Refer to the Hewlett Packard Enterprise website at: http://www.hp.com/services/bladeSystem 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

Breakout Cable. This transceiver is designed only for use with HPE Virtual Connect FlexFabric 20/40 F8 Module.	characteristics	Power consumption maximum	1.5 W
	Cabling	Cable type	OM3, OM4
		Cable length	Up to 100m (OM3); up to 150m (OM4)
		Fiber type	Multi-mode
Notes		For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish. Angled Physical Contact (APC) is not recommended.	
Services		Refer to the Hewlett Packard Enterprise website at: http://www.hp.com/services/bladesystem 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.	

HPE 40Gb QSFP+ Bidirectional Transceiver (841716-B21) A 40-Gigabit transceiver in QSFP+ form-factor that provides duplex LC fiber optic connections.	Ports	Duplex LC 40GbE		
	Connectivity	Connector type	LC	
	Physical characteristics	Wavelength	850/900 nm	
		Dimensions	7.13(d) x 0.72(w) x 0.33(h) in. (12.18 x 1.84 x 0.85cm)	
		Weight	0.08 lb. (35 g)	
	Environment	Transceiver form factor	QSFP+	
		Operating temperature	50°F to 158°F (10°C to 70°C)	
		Operating relative humidity	0% to 85%, noncondensing	
	Electrical characteristics	Non-operating/Storage temperature	-40°F to 185°F (-40°C to 85°C)	
		Voltage Supply	3.3	
		Power consumption maximum	3.5 W	
	Cabling	Cable type	OM3, OM4	
		Cable length	Up to 100m	
Fiber type		Multi-mode		
Notes	For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish. Angled Physical Contact (APC) is not recommended.			
Services	Refer to the Hewlett Packard Enterprise website at: http://www.hp.com/services/bladesystem 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
31-March-2016	From Version 3 to 4	Changed	Overview and Technical Specifications section were updated.
		Added	SKU added in Overview section: 841716-B21
11-Dec-2015	From Version 2 to 3	Changed	Technical Specifications section was updated. QuickSpecs title was updated.
28-Sep-2015	From Version 1 to 2	Changed	Overview and Technical Specifications sections were updated.



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<http://h18004.www1.hp.com/products/blades/components/c-class-interconnects.html>



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