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Models, specifications, and compatibility

Gigabit SFP optical transceiver modules use LC connectors.

The specifications for Revision D transceiver products are the same as the specified Revision A, B, and C SKUs. Where support for a Revision A, B, or C transceiver existed, Revision D or E parts are also supported. Not all earlier revisions can be re-used on newer product: Check the tables below and compare the 4x4 number of the part to the list of supported 4x4 numbers. See [Identification of 4x4 part numbers](#) for more information.

Specifications for Gigabit SFP optical transceiver modules

Product name (SKU)	DOM - Digital Optical Monitoring (4x4 part #)	Central wl (nm)	Fiber mode	Fiber diameter (µm)	Modal bandwidth (MHz*km)	Transmission distance
HPE X121 1G SFP LC SX Transceiver (J4858C)	Yes (1990-4415 1990-4395 1990-4750 1990-4793) JL780A: (1990-4763, 1990-4765)	850	MMF	50/125	500 (OM2) 400	550m (1804.46 ft) 500 m (1640.42 ft)
Aruba 1G SFP LC SX 500m MMF XCVR (J4858D)				62.5/125	200 (OM1) 160	275m (ε ft) 220m (γ ft)
Aruba 1G SFP LC SX 500m MMF TAA XCVR (JL745A)						
Aruba 1G I-Tmp SFP LC SX 500m MMF XCVR (JL780A)						

SFP LC LX Transceiver (J4859C) Aruba 1G SFP LC LX 10km SMF XCVR (J4859D) Aruba 1G SFP LC LX 10km SMF TAA XCVR (JL746A) Aruba 1G I-Tmp SFP LC LX 10km SMF XCVR (JL781A)	(1990-4116, 1990-4414, & 1990-4608) JL781A: (1990-4764, 1990-4766)						miles)			
							MMF	50/125	500 or 400	550m (1804.46 ft)
							MMF	62.5/125	500	550m (1804.46 ft)
HPE X121 1G SFP LC LH Transceiver (J4860C) Aruba 1G SFP LC LH 70km SMF XCVR (J4860D)	Yes (1990-4363)	1550	SMF	9/125	N/A		70km (43.49 miles)			

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Optical specifications for Gigabit SFP optical transceiver modules

Product name (SKU)	Optical parameters (dBm)	
	Transmit power	Receive power
HPE X121 1G SFP LC SX Transceiver (J4858C) Aruba 1G SFP LC SX 500m MMF XCVR (J4858D) Aruba 1G SFP LC SX 500m MMF TAA XCVR (JL745A)	-9.5 to 0	-17 to -3
HPE X121 1G SFP LC LX Transceiver (J4859C) Aruba 1G SFP LC LX 10km SMF XCVR (J4859D)	-9.5 to -3	-20 to -3



HPE X121 1G SFP LC LH Transceiver (J4860C) Aruba 1G SFP LC LH 70km SMF XCVR (J4860D)	0 to +5	-22 to -3 (use -8dBm attenuator for short SMF cables)
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Compatibility for Gigabit SFP optical transceiver modules

Product name	SKU	Minimum software required (J4858C/J4858D, J4859C/J4859D, J4860C/J4860D)	Comments
2510 Switch Series	J9019A/B, J9020A, J9279A, J9280A	All	
2520 Switch Series	J9137A, J9138A, J9298A, J9299A	All	
2530 Switch Series	J9772A, J9773A, J9774A, J9775A, J9776A, J9777A, J9778A, J9779A, J9780A, J9781A, J9782A, J9783A, J9853A, J9854A, J9855A, J9856A	All	
2540 Switch Series	JL354A, JL355A, JL356A, JL357A	All	
2600 Switch Series	J4899A/B/C, J4900A/B/C, J8164A, J8165A, J8762A	H.08.98	
2610 Switch Series	J9085A, J9086A, J9087A, J9088A, J9089A	All	

2615-8-PoE Switch	J9565A	All	
2620 Switch Series	J9623A, J9624A, J9625A, J9626A, J9627A	All	
2800 Switch Series	J4903A, J4904A	I.08.103	
2810 Switch Series	J9021A, J9022A	All	
2900 Switch Series	J9049A, J9050A	T.13.45	
2910al Switch Series	J9145A, J9146A, J9147A, J9148A	All	For use in the SFP ports on the models listed, and in the J9008A 2-port 10GbE SFP+ al module.
2915-8G-PoE Switch	J9562A	All	
2920 Series Switches	J9726A, J9727A, J9728A, J9729A, J9836A	All	For use in the SFP ports on the models listed. Also for use in the dual-speed SFP+ ports of the J9731A 2-Port 10GbE SFP+ Module.
2930F Series Switches	JL253A, JL254A, JL255A, JL256A, JL258A, JL259A, JL260A, JL261A, JL262A, JL263A, JL264A, JL557A, JL558A, JL559A	J4858C/D, J4859C/D, J4860C/D: All WC Software	

		JL745A, JL746A (TAA XCVRs): WC 16.08.0021 and 16.10.0006 and later	
2930M Switch Series	JL319A, JL320A, JL321A, JL322A, JL323A, JL324A	J4858C/D, J4859C/D, J4860C/D: All WC Software JL745A, JL746A (TAA XCVRs): WC 16.08.0021 and 16.10.0006 and later	For use in SFP ports on switch and an installed JL083A Aruba 3810M/2930M 4SFP+ MACsec Module.
3400cl Switch Series	J4905A, J4906A	All	
3500 Series Switches	J9470A, J9471A, J9472A, J9473A	K.14.31	
3500yl Switch Series	J8692A, J8693A	All	For use in the SFP ports on the models listed, and in an installed J9312A 10GbE 2-port SFP+/2-port CX4 yl Model
	J9310A, J9311A	K.14.50	
3800 Switch Series	J9573A, J9574A, J9575A, J9576A, J9584A	All	
3810M Switch Series	JL071A, JL072A, JL073A, JL074A, JL076A, JL075A	J4858C/D, J4859C/D, J4860C/D: All Software	For use in the JL075A 3810M sw Also for use in any 3810M switch JL083A Aruba 3810M/2930M 4S MACsec Module installed.

		JL745A, JL746A (TAA XCVRs): 16.08.0021 and 16.10.0006 and later	
4100gl Switch Series	J4893A, J4908A	G.07.103	
Aruba 4100i Switch Series	JL817A, JL818A	J4858D, J4859D, J4860D: 10.08.0001 (Commercial Temp) JL780A, JL781A: 10.08.0001 (Ind Temp)	Hi Temp warnings will trigger at lower temperatures (~50C) if Commercial Temp vs Industrial Temp transceivers (~70C) are used. All Third Party transceivers are treated as Commercial Temp, regardless of capability.
4200vl Switch Series	J8776A, J9033A	All	
5300xl Switch Series	J4878A/B, J4907A	E.10.36	
5400zl Switch Series	J8705A, J8706A	All	
	J9308A, J9309A	K.14.34	The J9309A 4-port SFP+ module only supports 10G transceivers.
	J9537A, J9549A, J9535A, J9637A, J9538A, J9548A, J9536A	K.15.02.0004	The J9538A 8-port SFP+ v2 module supports both 1G and 10G transceivers.
5400R Switch Series	J9537A, J9549A, J9535A, J9637A, J9538A, J9548A, J9536A	J4858C/D, J4859C/D, J4860C/D: All Software	The J9538A 8-port SFP+ v2 modu supports both 1G and 10G transceivers.

		JL745A, JL746A (TAA XCVRs): 16.08.0021 and 16.10.0006 and later	
	J9988A, J9989A, J9990A, J9993A	KB.15.17	
Aruba 6000 Switch Series	All models (1G uplink only) NO support for 100Mbps FX.	J4858C/J4858D, J4859C/J4859D: JL745A, JL746A (TAA): 10.08.0001 J4860C/J4860D: not supported	Only the following 4x4 part numbers are supported: J4858C/J4858D: <ul style="list-style-type: none"> ▪ 1990-4415 ▪ 1990-4395 ▪ 1990-4750 ▪ 1990-4793 J4859C/J4859D <ul style="list-style-type: none"> ▪ 1990-4116 ▪ 1990-4414
Aruba 6100 Switch Series	All models	J4858C/J4858D, J4859C/J4859D: 10.06.0001 JL745A, JL746A (TAA XCVRs): 10.06.0130 and 10.07.0010 J4860C/J4860D: not supported	Only the following 4x4 part numbers are supported: J4858C/J4858D: <ul style="list-style-type: none"> ▪ 1990-4415 ▪ 1990-4395 ▪ 1990-4750 ▪ 1990-4793 J4859C/J4859D: <ul style="list-style-type: none"> ▪ 1990-4116 ▪ 1990-4414
6108 Switch	J4902A	H.07.88	
6120 Switch Series	498358-B21, 516733-B21	SX, LX: all versions LH: not supported	

6200yl-24G-mGBIC Switch	J8992A	All	
Aruba 6200 Switch Series	All 6200F models (except R8V13A/R8V13A) All 6200M models & 6200F R8V13A/R8V13A)	J4858C/J4858D, J4859C/J4859D, J4860C/J4860D: 10.04.1000 JL745A, JL746A (TAA): 10.06.0130 and 10.07.0010 J4858C/J4858D, J4859C/J4859D, J4860C/J4860D: JL745A, JL746A (TAA): 10.11.0005	Only the following 4x4 part numbers are supported: J4858C/J4858D: <ul style="list-style-type: none"> ▪ 1990-4415 ▪ 1990-4395 ▪ 1990-4750 ▪ 1990-4793 J4859C/J4859D: <ul style="list-style-type: none"> ▪ 1990-4116 ▪ 1990-4414 J4860C/J4860D: <ul style="list-style-type: none"> ▪ 1990-4363
Aruba 6300 Switch Series	All models except JL762A, R8S89A, R8S90A, R8S91A, R8S92A: JL745A, JL746A (TAA XCVRs): JL762A(6300 Pwr2Prt): R8S89A, R8S90A, R8S91A, R8S92A:	10.04.0001 10.06.0130 and 10.07.0010 10.08.0001 10.10.0002	Aruba 6300 Switch Series only: Hardware limitations for the following SKUs: R8S89A & R8S90A: cannot support 1G xcvr in uplinks R8S91A only in ports 51-52 R8S92A only in ports 1-24 (can support in uplinks ports 49-52)

Aruba 6400 Modules	R0X39B, R0X40B R0X41A, R0X42A, R0X43A	J4858C/J4858D, J4859C/J4859D, J4860C/J4860D: 10.04.1000 JL745A, JL746A (TAA): 10.06.0130 and 10.07.0010	R0X39A/R0X40A (revision A) are no longer supported for use in the 6400 series. Only the following 4x4 part numbers are supported: J4858C/J4858D: <ul style="list-style-type: none"> ▪ 1990-4415 ▪ 1990-4395 ▪ 1990-4750 ▪ 1990-4793
	R0X44A	For R0X44A module: J4858C/J4858D, J4859C/J4859D, J4860C/J4860D: 10.04.2000 JL745A, JL746A (TAA XCVRs): 10.06.0130 and 10.07.0010	J4859C/J4859D: <ul style="list-style-type: none"> ▪ 1990-4116 ▪ 1990-4414 J4860C/J4860D: <ul style="list-style-type: none"> ▪ 1990-4363 R0X44A/R0X44C auto-detects the inserted type of transceiver; it does NOT require any interface groups like the 8325.
	R0X39C, R0X40C, R0X41C, R0X42C	10.09.1000	
6600 Switch Series	J9263A, J9264A	K.14.03	
	J9451A	K.14.24	
8200zl Switch Series	J8705A, J8706A	All	
	J9308A, J9309A	K.14.34	The J9309A 4-port SFP+ module only supports 10G transceivers
	J9537A, J9549A, J9535A, J9637A, J9538A, J9548A, J9536A	K.15.02.0004	The J9538A 8-port SFP+ v2 module supports both 1G and 10G transceivers.

Aruba 8320 48p 10G SFP/SFP+ and 6p 40G QSFP+ Switch	JL479A	J4858C/J4858D, J4859C/J4859D, J4860C/J4860D: 10.03.0001 JL745A, JL746A (TAA XCVRs): 10.06.0130 and 10.07.0010	Only the following 4x4 part numbers are supported: J4858C/J4858D: <ul style="list-style-type: none"> ▪ 1990-4415 ▪ 1990-4395 ▪ 1990-4750 ▪ 1990-4793 J4859C/J4859D: <ul style="list-style-type: none"> ▪ 1990-4116 ▪ 1990-4414 J4860C/J4860D: <ul style="list-style-type: none"> ▪ 1990-4363
Aruba 8325 Switch Series	JL635A displayed by CLI (<code>show system</code>) <ul style="list-style-type: none"> ▪ JL624A - Port-to-Power model (FB) ▪ JL625A - Power-to-Port model (BF) 	J4858C/J4858D, J4859C/J4859D, J4860C/J4860D: 10.03.0010 JL745A, JL746A (TAA XCVRs): 10.06.0130 and 10.07.0010	Only the following 4x4 part numbers are supported: J4858C/J4858D: <ul style="list-style-type: none"> ▪ 1990-4395 ▪ 1990-4415 J4859C/J4859D: <ul style="list-style-type: none"> ▪ 1990-4116 ▪ 1990-4414 J4860C/J4860D: <ul style="list-style-type: none"> ▪ 1990-4363 <p>The 8325 requires configuration of "interface groups" (groups of 12 ports) to enable use of 1G or 10G transceivers or DACs in the SFP28 ports (Interface Groups default to 25G speed). See the <i>Installation Guide</i> for details.</p> <p>1G optics at the opposite end of the link must NOT enable auto-negotiation and operate in full duplex mode</p>
Aruba 8360 Switch Series	8360 32Y4C models JL717A/JL717C(v2) displayed by CLI (<code>show system</code>) <ul style="list-style-type: none"> ▪ JL700A/JL700C(v2) Port-to-Power 	JL717A/JL717C(v2), JL718A/JL718C(v2), and JL722A/JL722C(v2):	Only the following 4x4 part numbers are supported: J4858C/J4858D: <ul style="list-style-type: none"> ▪ 990-4415 ▪ 1990-4395

	<ul style="list-style-type: none"> model ▪ JL700A/JL700C(v2) A Power-to-Port model <p>8360 16Y2C models JL718A/JL718C(v2) displayed by CLI (<code>show system</code>)</p> <ul style="list-style-type: none"> ▪ JL702A/JL702C(v2) Port-to-Power model ▪ JL702A/JL702C(v2) A Power-to-Port model <p>8360 24XF2C models JL722A/JL722C(v2) displayed by CLI (<code>show system</code>)</p> <ul style="list-style-type: none"> ▪ JL710A/JL710C(v2) Port-to-Power model ▪ JL711A/JL711C(v2) Power-to-Port model <p>8360 48Y6C models JL719C displayed by CLI (<code>show system</code>)</p> <ul style="list-style-type: none"> ▪ JL704C(v2) Port-to-Power model (FB) ▪ JL705C(v2) Power-to-Port model (BF) 	<p>J4858C/J4858D, J4859C/J4859D, J4860C/J4860D: 10.06.0001</p> <p>JL745A, JL746A (TAA XCVRs): 10.06.0130 and 10.07.0010</p> <p>JL719C: J4858C/J4858D, J4859C/J4859D, J4860C/J4860D: 10.09.0002</p> <p>JL745A, JL746A (TAA XCVRs): 10.09.0002</p>	<ul style="list-style-type: none"> ▪ 1990-4750 ▪ 1990-4793 <p>J4859C/J4859D:</p> <ul style="list-style-type: none"> ▪ 1990-4116 ▪ 1990-4414 <p>J4860C/J4860D:</p> <ul style="list-style-type: none"> ▪ 1990-4363 <p>The 8360 32Y4C and 48Y6C models require configuration of "interface groups" only for ports 1-4 (as group #1) to enable the use of 10G transceivers / DACs in the SFP28 ports (Interface Groups default to 25G speed). Ports 1-4 on the 8360 32Y4C model do not support 1G transceivers. All other ports can individually auto-detect the speed of the inserted xcvr. Not applicable to the 24XF (1G/10G) model See the Installation Guide for details.</p>
Aruba 8400X Modules	JL363A JL687A	<p>For JL363A module: J4858C/J4858D, J4859C/J4859D, J4860C/J4860D: 10.00.0018</p> <p>JL745A, JL746A (TAA XCVRs): 10.07.0005</p> <p>For JL687A module: J4858C/J4858D, J4859C/J4859D, J4860C/J4860D: 10.04.2000</p>	<p>Only the following 4x4 part numbers are supported:</p> <p>J4858C/J4858D:</p> <ul style="list-style-type: none"> ▪ 1990-4415 ▪ 1990-4395 ▪ 1990-4750 ▪ 1990-4793 <p>J4859C/J4859D:</p> <ul style="list-style-type: none"> ▪ 1990-4116 ▪ 1990-4414 <p>J4860C/J4860D:</p> <ul style="list-style-type: none"> ▪ 1990-4363

		JL745A, JL746A (TAA XCVRs): 10.07.0005	JL687A 32p 25G module requires configuration of "interface groups" (groups of 4 ports) to enable use of 1G or 10G transceivers or DACs in the SFP28 ports (Interface Groups default to 25G speed). See the Installation Guide for details. JL687A: 1G optics at the opposite end of the link must NOT enable auto-negotiation and operate in full duplex mode (does not apply to the JL363A module)
9300m Switch Series	J4885A, J4894A	All	
9408sl Switch	J8684A	All	
Aruba 10000 Switch Series	R8S96A displayed by CLI (show system) <ul style="list-style-type: none"> ▪ R8P13A - 48Y6C FB bundle ▪ R8P14A - 48Y6C BF bundle 	J4858D, J4859D, J4860D: 10.10.0002 JL745A, JL746A (TAA): 10.10.0002	The 10000 series requires configuration of interface groups (groups of 4 ports) to enable the use of 1G or 10G transceivers / DACs in the SFP28 ports (Set the speed to 25g for the default). See the Installation Guide for details. 1G optics at the opposite end of the link must NOT enable auto negotiation and operate in full duplex mode.

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