

ARISTA

Compatibility List

DANZ Monitoring Fabric Hardware

Version 8.9



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Supported Software, Controller Hardware, and Switch Hardware

This document summarizes the hardware and software requirements for DANZ Monitoring Fabric (DMF) and lists the supported hardware devices compatible with DMF. This chapter describes the software, controller hardware, and switch hardware supported with the current DMF Release.

1.1 Software Versions Tested with Supported Hardware

The software versions in the following table support the listed hardware (listed in the [Supported Switching Platforms](#) section).

Vendor	Model	Platform Revision	Switch OS Version
Arista	7050CX3-32C	R0	SWL-OS-DMF-8.9.0 (0)
Arista	7050CX3-32S	R0	SWL-OS-DMF-8.9.0 (0)
Arista	7050CX4-24D8	R0	<i>EOS-4.34.3M</i>
Arista	7050CX4M-48D8	R0	<i>EOS-4.34.3M</i>
Arista	7050DX4-32S	R0	<i>EOS-4.34.3M</i>
Arista	7050DX4M-32S	R0	<i>EOS-4.34.3M</i>
Arista	7050SDX4-48D8	R0	<i>EOS-4.34.3M</i>
Arista	7050PX4-32S	R0	<i>EOS-4.34.3M</i>
Arista	7050SPX4-48D8	R0	<i>EOS-4.34.3M</i>
Arista	7050SX3-48C8	R0	SWL-OS-DMF-8.9.0 (0)
Arista	7050SX3-48C8C	R0	SWL-OS-DMF-8.9.0 (0)
Arista	7050SX3-48YC8	R0	SWL-OS-DMF-8.9.0 (0)
Arista	7050SX3-48YC8C	R0	SWL-OS-DMF-8.9.0 (0)
Arista	7050SX3-48YC12	R0	SWL-OS-DMF-8.9.0 (0)
Arista	7050SX3-96YC8	R0	SWL-OS-DMF-8.9.0 (0)
Arista	7050TX3-48C8	R0	SWL-OS-DMF-8.9.0 (0)
Arista	7260CX3-64	R0	SWL-OS-DMF-8.9.0 (0)
Arista	7260CX3-64E	R0	SWL-OS-DMF-8.9.0 (0)
Arista	7280CR3-32D4	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3-32D4-M	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3-32P4	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3-32P4-M	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3-36S	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3-96	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3A-32S	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3A-72	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3AK-32S	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3AK-72	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3AK-48D6	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3A-24D12	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3AK-24D12	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3AK-24D12-S	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3A-48D6	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3AM-24D12	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3AM-32S	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3AM-48D6	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3AM-72	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3K-32D4	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3K-32D4A	R0	<i>EOS-4.34.3M</i>




Vendor	Model	Platform Revision	Switch OS Version
Arista	7280CR3K-32P4	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3K-32P4A	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3K-36A	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3K-36S	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3K-96	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3MK-32D4	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3MK-32D4S	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3MK-32D4A-S	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3MK-32P4	R0	<i>EOS-4.34.3M</i>
Arista	7280CR3MK-32P4S	R0	<i>EOS-4.34.3M</i>
Arista	7280DR3-24	R0	<i>EOS-4.34.3M</i>
Arista	7280DR3-24-M	R0	<i>EOS-4.34.3M</i>
Arista	7280DR3A-36	R0	<i>EOS-4.34.3M</i>
Arista	7280DR3AK-36	R0	<i>EOS-4.34.3M</i>
Arista	7280DR3AK-36S	R0	<i>EOS-4.34.3M</i>
Arista	7280DR3A-54	R0	<i>EOS-4.34.3M</i>
Arista	7280DR3AK-54	R0	<i>EOS-4.34.3M</i>
Arista	7280DR3AM-36	R0	<i>EOS-4.34.3M</i>
Arista	7280DR3AM-54	R0	<i>EOS-4.34.3M</i>
Arista	7280DR3K-24	R0	<i>EOS-4.34.3M</i>
Arista	7280PR3-24	R0	<i>EOS-4.34.3M</i>
Arista	7280PR3-24-M	R0	<i>EOS-4.34.3M</i>
Arista	7280PR3K-24	R0	<i>EOS-4.34.3M</i>
Arista	7280SR3-40YC6	R0	<i>EOS-4.34.3M</i>
Arista	7280SR3E-40YC6	R0	<i>EOS-4.34.3M</i>
Arista	7280SR3E-40YC6-M	R0	<i>EOS-4.34.3M</i>
Arista	7280SR3-48YC8	R0	<i>EOS-4.34.3M</i>
Arista	7280SR3A-48YC8	R0	<i>EOS-4.34.3M</i>
Arista	7280SR3AK-48YC8	R0	<i>EOS-4.34.3M</i>
Arista	7280SR3AM-48YC8	R0	<i>EOS-4.34.3M</i>
Arista	7280SR3K-48YC8	R0	<i>EOS-4.34.3M</i>
Arista	7280SR3K-48YC8A	R0	<i>EOS-4.34.3M</i>
Arista	7280SR3M-48YC8	R0	<i>EOS-4.34.3M</i>
Arista	7280SR3MK-48YC8A-S	R0	<i>EOS-4.34.3M</i>
Arista	7280TR3-40C6	R0	<i>EOS-4.34.3M</i>
Arista	7289R3A	R0	<i>EOS-4.34.3M</i>
Arista	7804-CH	R0	<i>EOS-4.34.3M</i>
Arista	7808-CH	R0	<i>EOS-4.34.3M</i>
Arista	7812-CH	R0	<i>EOS-4.34.3M</i>

Vendor	Model	Platform Revision	Switch OS Version
Arista	7816-CH	R0	<i>EOS-4.34.3M</i>
Arista	7816LR-CH	R0	<i>EOS-4.34.3M</i>

1.2 Supported Switching Platforms

The following chapter lists the information about the different Arista switches and supported hypervisors for the DMF controllers.

1.2.1 Arista Switching Platforms Using SWL-OS

Model	Physical Ports	Breakout Capable Ports	PSU Support	Airflow Support	Max Bandwidth	VXLAN Tunneling Support	Supported Port-Channel	
							Member Interfaces	Resilient Hashing
7050CX3-32C	32 40/100GbE QSFP28 ports, 2 10GbE dual speed SFP+ ports, 1 RJ45 out-of-band management port, 1 RJ45 console port.  Note: Port 34 is not supported.	1-32 ^{1,2}	AC (F2B/B2F) / DC (F2B/B2F)	F2B/B2F	3200 Gbps	Yes	64	Yes
7050CX3-32S	32 40/100GbE QSFP28 ports, 2 10GbE dual speed SFP+ ports, 1 RJ45 out-of-band management port, 1 RJ45 console port.  Note: Port 34 is not supported.	1-32 ²	AC (F2B/B2F) / DC (F2B/B2F)	F2B / B2F	3200 Gbps	Yes	64	Yes
7050SX3-48C8	48 1/10GbE speed SFP+, ports, 8 40/100GbE QSFP28 ports, 1 RJ45 out-of-band management port, 1 RJ45 console port	49, 53 ²	A(F2B/B2F)/ DC (F2B/B2F)	F2B/B2F	1280 Gbps	Yes	64	Yes
7050SX3-48C8C	48 1/10GbE speed SFP+, ports, 8 40/100GbE QSFP28 ports, 1 RJ45 out-of-band management port, 1 RJ45 console port	49, 53 ²	AC (F2B/B2F) / DC (F2B/B2F)	F2B/B2F	1280 Gbps	Yes	64	Yes
7050SX3-48YC8	48 1/10/25GbE speed SFP28 ports, 8 40/100GbE QSFP28 ports, 1 RJ45 out-of-band management port, 1 RJ45 console port.	49, 53 ²	AC(F2B/B2F)/DC (F2B/B2F)	F2B / B2F	2000 Gbps	Yes	64	Yes
7050SX3-48YC8C	48 1/10/25GbE speed SFP28 ports, 8 40/100GbE QSFP28 ports, 1 RJ45 out-of-band management port, 1 RJ45 console port.	49, 53 ²	AC (F2B/B2F) / DC (F2B/B2F)	F2B/B2F	2000 Gbps	Yes	64	Yes
7050SX3-48YC12	48 1/10/25GbE speed SFP28 ports, 12 40/100GbE QSFP28 ports, 1 RJ45 out-of-band management port, 1 RJ45 console port.	49-60 ²	AC(F2B/B2F)/DC (F2B/B2F)	F2B	2400 Gbps	Yes	64	Yes
7050SX3-96YC8	96 1/10/25GbE speed SFP28 ports, 8 40/100GbE QSFP28 ports, 110GbE dual speed SFP+ ports, 1RJ45 out-of-band management port, 1 RJ45 console port.  Note: port 105 is not supported.	97-104	AC(F2B/B2F)/DC (F2B/B2F)	F2B	3200 Gbps	Yes	64	Yes
7050TX3-48C8	48 1/10GbE speed RJ45 ports, 8 40/100GbE QSFP28 ports, 1 RJ45 out-of-band management port, 1 RJ45 console port.	49, 53 ²	AC(F2B/B2F)/DC (F2B/B2F)	F2B/B2F	1280 Gbps	Yes	64	Yes
7260CX3-64	64 40/100GbE QSFP28 ports, 2 10GbE dual speed SFP+ ports, 1 RJ45 out-of-band management port, 1 RJ45 console port.	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 46, 55, 61	AC(F2B/B2F)/DC (F2B/B2F)	F2B/B2F	6400 Gbps	No	32	Yes
7260CX3-64E	64 40/100GbE QSFP28 ports, 2 10GbE dual speed SFP+ ports, 1 RJ45 out-of-band management port, 1 RJ45 console port.	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 46, 55, 61	AC(F2B/B2F)/DC (F2B/B2F)	F2B/B2F	6400 Gbps	No	32	Yes

1 Support 4X10G and 4X25G and 2X50G breakout.

2 Support 4X10G and 4X25G breakout. 2X50G breakout will be supported in the future.

1.2.2 Arista Switching Platforms Using EOS

Model	Physical Ports	Platform details	VXLAN Tunneling Support	Supported Port- Channel	
				Member Interfaces	Resilient Hashing
7050CX4-24D8	24x100G + 8x40G	https://www.arista.com/en/products/platforms	No	64	No
7050CX4M-48D8	48x100G + 8x400G	https://www.arista.com/en/products/platforms	No	64	No
7050DX4-32S	32x400G	https://www.arista.com/en/products/platforms	No	64	No
7050DX4M-32S	32x400G	https://www.arista.com/en/products/platforms	No	64	No
7050SDX4-48D8	48x100G + 8x400G	https://www.arista.com/en/products/platforms	No	64	No
7050PX4-32S	32x400G	https://www.arista.com/en/products/platforms	No	64	No
7050SPX4-48D8	48x100G + 8x400G	https://www.arista.com/en/products/platforms	No	64	No
7280CR3-32D4	32x100G + 4x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3-32D4-M	32x100G + 4x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3-32P4	32x100G + 4x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3-32P4-M	32x100G + 4x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3-36S	28x100G/6x200G/2x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3-96	96x100G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3A-32S	32x100G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3A-72	72x100G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3AK-32S	32x100G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3AK-72	72x100G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3AK-48D6	48x100 + 6x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3A-24D12	24x100G + 12x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3AK-24D12	24x100G + 12x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3AK-24D12-S	24x100G + 12x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3A-48D6	48x100 + 6x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3AM-24D12	24x100G + 12x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3AM-32S	32x100G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3AM-48D6	48x100 + 6x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3AM-72	72x100G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3K-32D4	32x100G + 4x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3K-32D4A	32x100G + 4x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3K-32P4	32x100G + 4x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3K-32P4A	32x100G + 4x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3K-36A	36x100G/2x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3K-36S	28x100G/6x200G/2x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3K-96	96x100G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3MK-32D4	32x100G + 4x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3MK-32D4A-S	32x100G + 4x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3MK-32D4S	32x100G + 4x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3MK-32P4	32x100G + 4x400G	https://www.arista.com/en/products/platforms	No	32	No
7280CR3MK-32P4S	32x100G + 4x400G	https://www.arista.com/en/products/platforms	No	32	No
7280DR3-24	24x400G	https://www.arista.com/en/products/platforms	No	32	No
7280DR3-24-M	24x400G	https://www.arista.com/en/products/platforms	No	32	No
7280DR3A-36	36x400G	https://www.arista.com/en/products/platforms	No	32	No
7280DR3AK-36	36x400G	https://www.arista.com/en/products/platforms	No	32	No
7280DR3AK-36S	36x400G	https://www.arista.com/en/products/platforms	No	32	No
7280DR3A-54	54x400G	https://www.arista.com/en/products/platforms	No	32	No
7280DR3AK-54	54x400G	https://www.arista.com/en/products/platforms	No	32	No
7280DR3AM-36	36x400G	https://www.arista.com/en/products/platforms	No	32	No
7280DR3AM-54	54x400G	https://www.arista.com/en/products/platforms	No	32	No

Model	Physical Ports	Platform details	VXLAN Tunneling Support	Supported Port- Channel	
				Member Interfaces	Resilient Hashing
7280DR3K-24	24x400G	https://www.arista.com/en/products/platforms	No	32	No
7280PR3-24	24x400G	https://www.arista.com/en/products/platforms	No	32	No
7280PR3-24-M	24x400G	https://www.arista.com/en/products/platforms	No	32	No
7280PR3K-24	24x400G	https://www.arista.com/en/products/platforms	No	32	No
7280SR3-40YC6	40x25G + 6x100G	https://www.arista.com/en/products/platforms	No	32	No
7280SR3E-40YC6	40x25G + 6x100G	https://www.arista.com/en/products/platforms	No	32	No
7280SR3E-40YC6-M	40x25G + 6x100G	https://www.arista.com/en/products/platforms	No	32	No
7280SR3-48YC8	48x25G + 8x100G	https://www.arista.com/en/products/platforms	No	32	No
7280SR3A-48YC8	48x50G + 6x200G	https://www.arista.com/en/products/platforms	No	32	No
7280SR3AK-48YC8	48x50G + 6x200G	https://www.arista.com/en/products/platforms	No	32	No
7280SR3AM-48YC8	48x50G + 6x200G	https://www.arista.com/en/products/platforms	No	32	No
7280SR3K-48YC8	48x25G + 8x100G	https://www.arista.com/en/products/platforms	No	32	No
7280SR3K-48YC8A	48x25G + 8x100G	https://www.arista.com/en/products/platforms	No	32	No
7280SR3M-48YC8	48x25G + 8x100G	https://www.arista.com/en/products/platforms	No	32	No
7280SR3MK-48YC8A-S	48x25G + 8x100G	https://www.arista.com/en/products/platforms	No	32	No
7280TR3-40C6	40x10G + 6x100G	https://www.arista.com/en/products/platforms	No	32	No
7289R3A	9-Slot Chassis	https://www.arista.com/en/products/platforms	No	32	No
7804-CH	4 Line card Chassis	https://www.arista.com/en/products/platforms	No	32	No
7808-CH	8 Line card Chassis	https://www.arista.com/en/products/platforms	No	32	No
7812-CH	12 Line card Chassis	https://www.arista.com/en/products/platforms	No	32	No
7816-CH	16 Line card Chassis	https://www.arista.com/en/products/platforms	No	32	No
7816LR	16 Line card Chassis	https://www.arista.com/en/products/platforms	No	256	No

1.3 Supported Appliance Data Plane NIC Firmware

The following tables list the data plane NIC firmware for the appliance.

Table 1: DMF Controller, Recorder & Analytical Node Specifications for NIC Firmware

NIC Type	DMF Controller Node				DMF Recorder Node			DMF Analytical Node		
	DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450	DCA-DM-AN660
Intel 2x X710	N/A	19.5.12	19.5.12	N/A	19.5.12	N/A	N/A	19.5.12	19.5.12	N/A
Intel 4x X710	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Intel 2x XXV710-V2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Intel 2x25G E810-XXV	N/A	N/A	N/A	23.0.8	N/A	23.0.8	23.0.8	N/A	N/A	23.0.8
Intel 4x100G E810-XXV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Broadcom 2x 57412	21,85.21.92	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 2: DMF Service Node Specifications for NIC Firmware

NIC Type	DMF Service Node						
	DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
Intel 2x X710	19.5.12	N/A	N/A	N/A	N/A	N/A	N/A
Intel 4x X710	N/A	N/A	19.5.12	N/A	N/A	N/A	N/A
Intel 2x XXV710-V2	N/A	19.5.12	N/A	19.5.12	19.5.12	N/A	N/A
Intel 2x25G E810-XXV	N/A	N/A	N/A	N/A	N/A	N/A	23.0.8
Intel 4x100G E810-XXV	N/A	N/A	N/A	N/A	N/A	23.0.8	N/A
Broadcom 2x 57412	N/A	N/A	N/A	N/A	N/A	N/A	N/A

1.4 Supported Hypervisors for the DMF Controller

The DMF controller node supports a Virtual Machine (VM) or an appliance on the following hypervisors and software versions:

Supported Hypervisors	Version
Linux KVM	<i>Ubuntu 16.04</i> <i>Ubuntu 18.04</i> <i>Ubuntu 20.04</i> <i>Ubuntu 22.04</i> <i>Ubuntu 24.04</i> <i>Ubuntu 25.04</i>
VMware ESXi	<i>Version 7.0.0</i> <i>Version 8.0.0</i>
Nutanix	<i>AOS: Version 7.3.1.1</i> <i>AHV: Version 10.3.1.1</i>



Note: Arista Networks does not support any other hypervisors or versions for this release.

1.5 Hardware Requirements for DMF Controller VM Deployment

VM performance depends on many other factors, so the recommendation is to select the DMF Controller Node hardware appliance for production deployments.

The following is the minimum hardware required for installing the VM software image on a supported KVM or ESXi version:

- Eight vCPUs with a minimum scheduling of 2 GHz.
- 32 GB of virtual memory.
- 400 GB hard disk.
- One virtual network interface reachable from the physical switches.



Note: Arista Networks does not support any other hypervisors or versions for this release.

Supported Transceivers Cables for DMF Controller and Appliances

The following tables list the compatibility of supported DANZ Monitoring Fabric transceivers.

2.1 DMF Controller, Service, Recorder and Analytics Node

The following tables show the detailed information for different cables and transceivers for Arista Network Controller and Appliances support.

2.1.1 10G-DAC Cables (10GBASE-CR SFP+)

Table 3: DMF Controller, Recorder & Analytical Node Specifications

Model	Cable Length(m)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
CAB-SFP-SFP-1M	1	Y	Y	Y	Y	Y	Y	Y	Y	Y
CAB-SFP-SFP-2M	2	Y	Y	Y	Y	Y	Y	Y	Y	Y
CAB-SFP-SFP-3M	3	Y	Y	Y	Y	Y	Y	Y	Y	Y
CAB-SFP-SFP-5M	5	Y	Y	Y	Y	Y	Y	Y	Y	Y

Table 4: DMF Service Node Specifications

Model	Cable Length(m)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
CAB-SFP-SFP-1M	1	Y	Y	Y	Y	N	Y	N
CAB-SFP-SFP-2M	2	Y	Y	Y	Y	N	Y	N
CAB-SFP-SFP-3M	3	Y	Y	Y	Y	N	Y	N
CAB-SFP-SFP-5M	5	Y	Y	Y	Y	N	Y	N

2.1.2 10G-AOC Cables (10GBASE-SR SFP+850nm)*

Table 5: DMF Controller, Recorder & Analytical Node Specifications

Model	Cable Length(m)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
AOC-S-S-10G-3M	3	N	N	N	Y	N	Y	Y	N	N
AOC-S-S-10G-5M	5	N	N	N	Y	N	Y	Y	N	N
AOC-S-S-10G-7M	7	N	N	N	Y	N	Y	Y	N	N
AOC-S-S-10G-10M	10	N	N	N	Y	N	Y	Y	N	N
AOC-S-S-10G-15M	15	N	N	N	Y	N	Y	Y	N	N
AOC-S-S-10G-20M	20	N	N	N	Y	N	Y	Y	N	N
AOC-S-S-10G-25M	25	N	N	N	Y	N	Y	Y	N	N
AOC-S-S-10G-30M	30	N	N	N	Y	N	Y	Y	N	N

Table 6: DMF Service Node Specifications

Model	Cable Length(m)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
AOC-S-S-10G-3M	3	N	N	N	N	N	Y	N
AOC-S-S-10G-5M	5	N	N	N	N	N	Y	N
AOC-S-S-10G-7M	7	N	N	N	N	N	Y	N
AOC-S-S-10G-10M	10	N	N	N	N	N	Y	N
AOC-S-S-10G-15M	15	N	N	N	N	N	Y	N
AOC-S-S-10G-20M	20	N	N	N	N	N	Y	N
AOC-S-S-10G-25M	25	N	N	N	N	N	Y	N
AOC-S-S-10G-30M	30	N	N	N	N	N	Y	N

2.1.3 10G-ER Transceivers (10GBASE-ER SFP+ 1310nm, LC connector)

Table 7: DMF Controller, Recorder & Analytical Node Specifications

Model	Max SM Fiber Distance (km)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
SFP-10G-ER	40	N	N	N	Y	N	Y	Y	N	N

Table 8: DMF Service Node Specifications

Model	Max SM Fiber Distance (km)	DMF Service Node						
		DCA-DM-SN760L	DCA-DM-SNR660	DCA-DM-SEL	DCA-DM-SDL2	DCA-DM-SDL	DCA-DM-SC2	DCA-DM-SC
SFP-10G-ER	40	N	N	N	N	N	Y	N

2.1.4 10G-LR Transceivers (10GBASE-LR SFP+ 1310nm, LC connector)

Table 9: DMF Controller, Recorder & Analytical Node Specifications

Model	Max SM Fiber Distance (km)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
SFP-10G-LR	10	Y	N	N	Y	N	Y	Y	N	N
SFP-10G-LRL	1	Y	N	N	Y	N	Y	Y	N	N

Table 10: DMF Service Node Specifications

Model	Max SM Fiber Distance (km)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
SFP-10G-LR	10	N	Y	N	Y	N	Y	N
SFP-10G-LRL	1	N	Y	N	Y	N	Y	N

2.1.5 10G-SR Transceivers (10GBASE-SR SFP+ 850nm, LC connector)

Table 11: DMF Controller, Recorder & Analytical Node Specifications

Model	Max OM3 MM Fiber Distance (m)	Max OM4 MM Fiber Distance (m)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
			DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
SFP-10G-SR	300	400	Y	N	N	Y	Y	Y	Y	N	N
SFP-10G-SRL	100	150	N	N	N	Y	N	Y	Y	N	N

Table 12: DMF Service Node Specifications

Model	Max OM3 MM Fiber Distance (m)	Max OM4 MM Fiber Distance (m)	DMF Service Node						
			DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
SFP-10G-SR	300	400	N	Y	N	Y	N	Y	N
SFP-10G-SRL	100	150	N	N	N	N	N	Y	N

2.1.6 25G-DAC Cables (25GBASE-CR SFP+)

Table 13: DMF Controller, Recorder & Analytical Node Specifications

Model	Cable Length(m)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
CAB-S-S-25G-1M	1	N	N	N	Y	Y	Y	Y	N	N
CAB-S-S-25G-2M	2	N	N	N	Y	Y	Y	Y	N	N
CAB-S-S-25G-3M	3	N	N	N	Y	Y	Y	Y	N	N
CAB-S-S-25G-5M	5	N	N	N	Y	Y	Y	Y	N	N

Table 14: DMF Service Node Specifications

Model	Cable Length(m)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
CAB-S-S-25G-1M	1	N	N	N	N	Y	Y	N
CAB-S-S-25G-2M	2	N	N	N	N	Y	Y	N
CAB-S-S-25G-3M	3	N	N	N	N	Y	Y	N
CAB-S-S-25G-5M	5	N	N	N	N	Y	Y	N

2.1.7 25G-AOC Cables (25GBASE-SR SFP+850nm)*

Table 15: DMF Controller, Recorder & Analytical Node Specifications

Model	Cable Length(m)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
AOC-S-S-25G-3M	3	N	N	N	Y	N	Y	Y	N	N
AOC-S-S-25G-5M	5	N	N	N	Y	N	Y	Y	N	N
AOC-S-S-25G-7M	7	N	N	N	Y	N	Y	Y	N	N
AOC-S-S-25G-10M	10	N	N	N	Y	N	Y	Y	N	N
AOC-S-S-25G-15M	15	N	N	N	Y	N	Y	Y	N	N
AOC-S-S-25G-20M	20	N	N	N	Y	N	Y	Y	N	N
AOC-S-S-25G-25M	25	N	N	N	Y	N	Y	Y	N	N
AOC-S-S-25G-30M	30	N	N	N	Y	N	Y	Y	N	N

Table 16: DMF Service Node Specifications

Model	Cable Length(m)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
AOC-S-S-25G-3M	3	N	N	N	N	N	Y	N
AOC-S-S-25G-5M	5	N	N	N	N	N	Y	N
AOC-S-S-25G-7M	7	N	N	N	N	N	Y	N
AOC-S-S-25G-10M	10	N	N	N	N	N	Y	N
AOC-S-S-25G-15M	15	N	N	N	N	N	Y	N
AOC-S-S-25G-20M	20	N	N	N	N	N	Y	N
AOC-S-S-25G-25M	25	N	N	N	N	N	Y	N
AOC-S-S-25G-30M	30	N	N	N	N	N	Y	N

2.1.8 25G-LR Transceivers (25GBASE-LR SFP+ 1310nm, LC connector)

Table 17: DMF Controller, Recorder & Analytical Node Specifications

Model	Max SM Fiber Distance (km)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
SFP-25G-LR	10	N	N	N	Y	Y	Y	Y	N	N
SFP-25G-MR-LR	10	N	N	N	Y	N	Y	Y	N	N

Table 18: DMF Service Node Specifications

Model	Max SM Fiber Distance (km)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
SFP-25G-LR	10	N	N	N	N	Y	Y	N
SFP-25G-MR-LR	10	N	N	N	N	N	Y	N

2.1.9 25G-SR Transceivers (25GBASE-SR SFP+ 850nm, LC connector)

Table 19: DMF Controller, Recorder & Analytical Node Specifications

Model	Max OM3 MM Fiber Distance (m)	Max OM4 MM Fiber Distance (m)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
			DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
SFP-25G-SR	70	100	N	N	N	Y	Y	Y	Y	N	N
SFP-25G-MR-SR	70 @ 25G	100 @ 25G	N	N	N	Y	N	Y	Y	N	N
	300 @ 10G	400 @ 10G									
SFP-25G-MR-XSR	200	300	N	N	N	Y	N	Y	Y	N	N

Table 20: DMF Service Node Specifications

Model	Max OM3 MM Fiber Distance (m)	Max OM4 MM Fiber Distance (m)	DMF Service Node						
			DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
SFP-25G-SR	70	100	N	N	Y	N	N	Y	N
SFP-25G-MR-SR	70 @25G	100 @ 25G	N	N	N	N	N	Y	N
	300 @ 10G	400 @ 10G							
SFP-25G-MR-XSR	200	300	N	N	N	N	N	Y	N

2.1.10 40G-4X10G Breakout DAC Cables (1X QSFP+, 4X SFP+)

Table 21: DMF Controller, Recorder & Analytical Node Specifications

Model	Cable Length(m)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
CAB-Q-S-1M	1	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹
CAB-Q-S-2M	2	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹
CAB-Q-S-3M	3	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹
CAB-Q-S-5M	5	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹	Y ¹

1 SFP+ end only

Table 22: DMF Service Node Specifications

Model	Cable Length(m)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
CAB-Q-S-1M	1	Y ¹	Y ¹	Y ²	N	N	Y ¹	N
CAB-Q-S-2M	2	Y ¹	Y ¹	Y ²	N	N	Y ¹	N
CAB-Q-S-3M	3	Y ¹	Y ¹	Y ²	N	N	Y ¹	N
CAB-Q-S-5M	5	Y ¹	Y ¹	Y ²	N	N	Y ¹	N

- 1 SFP+ end only
- 2 4X10G ports on XXV710 NICs

2.1.11 100G-DAC Cables (100GBASE-CR4 QSFP28)

Table 23: DMF Controller, Recorder & Analytical Node Specifications

Model	Cable Length(m)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
CAB-Q-Q-100G-1M	1	N	N	N	N	N	N	N	N	N
CAB-Q-Q-100G-2M	2	N	N	N	N	N	N	N	N	N
CAB-Q-Q-100G-3M	3	N	N	N	N	N	N	N	N	N
CAB-Q-Q-100G-5M	5	N	N	N	N	N	N	N	N	N

Table 24: DMF Service Node Specifications

Model	Cable Length(m)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
CAB-Q-Q-100G-1M	1	N	N	N	N	N	N	Y
CAB-Q-Q-100G-2M	2	N	N	N	N	N	N	Y
CAB-Q-Q-100G-3M	3	N	N	N	N	N	N	Y
CAB-Q-Q-100G-5M	5	N	N	N	N	N	N	Y

2.1.12 100G-AOC Cables (QSFP28)

Table 25: DMF Controller, Recorder & Analytical Node Specifications

Model	Cable Length(m)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
AOC-Q-Q-100G-1M	1	N	N	N	N	N	N	N	N	N
AOC-Q-Q-100G-3M	3	N	N	N	N	N	N	N	N	N
AOC-Q-Q-100G-5M	5	N	N	N	N	N	N	N	N	N
AOC-Q-Q-100G-7M	7	N	N	N	N	N	N	N	N	N
AOC-Q-Q-100G-10M	10	N	N	N	N	N	N	N	N	N
AOC-Q-Q-100G-15M	15	N	N	N	N	N	N	N	N	N
AOC-Q-Q-100G-20M	20	N	N	N	N	N	N	N	N	N
AOC-Q-Q-100G-25M	25	N	N	N	N	N	N	N	N	N
AOC-Q-Q-100G-30M	30	N	N	N	N	N	N	N	N	N

Table 26: DMF Service Node Specifications

Model	Cable Length(m)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
AOC-Q-Q-100G-1M	1	N	N	N	N	N	N	Y
AOC-Q-Q-100G-3M	3	N	N	N	N	N	N	Y
AOC-Q-Q-100G-5M	5	N	N	N	N	N	N	Y
AOC-Q-Q-100G-7M	7	N	N	N	N	N	N	Y
AOC-Q-Q-100G-10M	10	N	N	N	N	N	N	Y
AOC-Q-Q-100G-15M	15	N	N	N	N	N	N	Y
AOC-Q-Q-100G-20M	20	N	N	N	N	N	N	Y
AOC-Q-Q-100G-25M	25	N	N	N	N	N	N	Y
AOC-Q-Q-100G-30M	30	N	N	N	N	N	N	Y

2.1.13 100G-BiDi Transceivers (100GBASE-BiDi QSFP+ 850-910nm, LC connector)

Table 27: DMF Controller, Recorder & Analytical Node Specifications

Model	Max OM3 MM Fiber Distance (m)	Max OM4 MM Fiber Distance (m)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
			DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
QSFP-100G-SRBD	70	100	N	N	N	N	N	N	N	N	N

Table 28: DMF Service Node Specifications

Model	Max OM3 MM Fiber Distance (m)	Max OM4 MM Fiber Distance (m)	DMF Service Node						
			DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
QSFP-100G-SRBD	70	100	N	N	N	N	N	N	Y

2.1.14 100G-CWDM4 Transceivers (100GBASE-CWDM4 QSFP28 1271-1331nm, LC connector)

Table 29: DMF Controller, Recorder & Analytical Node Specifications

Model	Max SM Fiber Distance (km)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
QSFP-100G-CWDM4	2	N	N	N	N	N	N	N	N	N

Table 30: DMF Service Node Specifications

Model	Max SM Fiber Distance (km)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
QSFP-100G-CWDM4	2	N	N	N	N	N	N	Y

2.1.15 100G-DR Transceivers (100GBASE-DR QSFP28 1310nm, LC connector)

Table 31: DMF Controller, Recorder & Analytical Node Specifications

Model	Max SM Fiber Distance (m)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
QSFP-100G-DR	500	N	N	N	N	N	N	N	N	N

Table 32: DMF Service Node Specifications

Model	Max SM Fiber Distance (m)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SNR760L
QSFP-100G-DR	500	N	N	N	N	N	N	Y

2.1.16 100G-ER Transceivers (100GBASE-ER QSFP28 1310nm, LC connector)

Table 33: DMF Controller, Recorder & Analytical Node Specifications

Model	Max Duplex SM Fiber Distance (Km)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
QSFP-100G-ER	40	N	N	N	N	N	N	N	N	N

Table 34: DMF Service Node Specifications

Model	Max Duplex SM Fiber Distance (Km)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
QSFP-100G-ER	40	N	N	N	N	N	N	Y

2.1.17 100G-ER4 Transceivers (100GBASE-ER4 QSFP28 1310nm, LC connector)

Table 35: DMF Controller, Recorder & Analytical Node Specifications

Model	Max SM Fiber Distance (Km)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
QSFP-100G-ERL4	40	N	N	N	N	N	N	N	N	N

Table 36: DMF Service Node Specifications

Model	Max SM Fiber Distance (km)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
QSFP-100G-ERL4	40	N	N	N	N	N	N	Y

2.1.18 100G-FR Transceivers (100GBASE-FR QSFP28 1310nm, LC connector)**Table 37: DMF Controller, Recorder & Analytical Node Specifications**

Model	Max SM Fiber Distance (km)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
QSFP-100G-FR	2	N	N	N	N	N	N	N	N	N

Table 38: DMF Service Node Specifications

Model	Max SM Fiber Distance (km)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
QSFP-100G-FR	2	N	N	N	N	N	N	Y

2.1.19 100G-LR Transceivers (100GBASE-LR QSFP28 1310nm, LC connector)

Table 39: DMF Controller, Recorder & Analytical Node Specifications

Model	Max Duplex SM Fiber Distance (km)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
QSFP-100G-LR	10	N	N	N	N	N	N	N	N	N

Table 40: DMF Service Node Specifications

Model	Max Duplex SM Fiber Distance (km)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
QSFP-100G-LR	10	N	N	N	N	N	N	Y

2.1.20 100G-LR4 Transceivers (100GBASE-LR4 QSFP28 1310nm, LC connector)

Table 41: DMF Controller, Recorder & Analytical Node Specifications

Model	Max SM Fiber Distance (km)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
QSFP-100G-LR4	10	N	N	N	N	N	N	N	N	N
QSFP-100G-LRL4	2	N	N	N	N	N	Y	N	N	N

Table 42: DMF Service Node Specifications

Model	Max SM Fiber Distance (km)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
QSFP-100G-LR4	10	N	N	N	N	N	N	Y
QSFP-100G-LRL4	2	N	N	N	N	N	N	Y

2.1.21 100G-PSM4 Transceivers (100GBASE-PSM QSFP+ 1310nm, MPO connector)

Table 43: DMF Controller, Recorder & Analytical Node Specifications

Model	Max SM Fiber Distance (km)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
QSFP-100G-PSM4	500	N	N	N	N	N	N	N	N	N
QSFP-100G-PLRL4	2	N	N	N	N	N	Y	N	N	N

Table 44: DMF Service Node Specifications

Model	Max SM Fiber Distance (Km)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
QSFP-100G-PSM4	500	N	N	N	N	N	N	Y
QSFP-100G-PLRL4	2	N	N	N	N	N	N	Y

2.1.22 100G-SR Transceivers (100GBASE-SR4 QSFP28 850nm, MPO connector)

Table 45: DMF Controller, Recorder & Analytical Node Specifications

Model	Max OM3 MM Fiber Distance (m)	Max OM4 MM Fiber Distance (m)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
			DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
QSFP-100G-SR4	70	100	N	N	N	N	N	N	N	N	N
QSFP-100G-XSR4	150	300	N	N	N	N	N	N	N	N	N

Table 46: DMF Service Node Specifications

Model	Max OM3 Fiber Distance (m)	Max OM4 Fiber Distance (m)	DMF Service Node						
			DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
QSFP-100G-SR4	70	100	N	N	N	N	N	N	Y
QSFP-100G-XSR4	150	300	N	N	N	N	N	N	Y

2.1.23 100G-SWDM4 Transceivers (100GBASE-SWDM QSFP+ 850nm, LC connector)

Table 47: DMF Controller, Recorder & Analytical Node Specifications

Model	Max OM3 MM Fiber Distance (m)	Max OM4 MM Fiber Distance (m)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
			DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
QSFP-100G-SWDM4	70	100	N	N	N	N	N	N	N	N	N

Table 48: DMF Service Node Specifications

Model	Max OM3 MM Fiber Distance (m)	Max OM4 MM Fiber Distance (m)	DMF Service Node						
			DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SNR760L
QSFP-100G-SWDM4	70	100	N	N	N	N	N	N	Y

2.1.24 100G-4X25G Breakout DAC Cables (1X QSFP28, 4X SFP28)

Table 49: DMF Controller, Recorder & Analytical Node Specifications

Model	Cable Length(m)	DMF Controller Node				DMF Recorder Node				DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450	
CAB-Q-4S-100G-1M	1	N	N	N	Y	Y ¹	Y ¹	Y ¹	N	N	
CAB-Q-4S-100G-2M	2	N	N	N	Y	Y ¹	Y ¹	Y ¹	N	N	
CAB-Q-4S-100G-3M ²	3	N	N	N	Y	Y ¹	Y ¹	Y ¹	N	N	
CAB-Q-4S-100G-5M ³	5	N	N	N	Y	Y ¹	Y ¹	Y ¹	N	N	

1 SFP+ end only

2 Forward-Error-Correction (FEC) required. Enable on peer switch.

3 Reed-Solomon Forward-Error-Correction (RS-FEC) required. Enable on peer switch.

Table 50: DMF Service Node Specifications

Model	Cable Length(m)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
CAB-Q-4S-100G-1M	1	N	N	N	N	Y	Y ¹	N
CAB-Q-4S-100G-2M	2	N	N	N	N	Y ¹	Y ¹	N
CAB-Q-4S-100G-3M ²	3	N	N	N	N	Y ¹	Y ¹	N
CAB-Q-4S-100G-5M ³	5	N	N	N	N	Y ¹	Y ¹	N

- 1 SFP+ end only
- 2 Forward-Error-Correction (FEC) required. Enable on peer switch.
- 3 Reed-Solomon Forward-Error-Correction (RS-FEC) required. Enable on peer switch.

2.1.25 200G-8X25G DAC Cables (8X 25GBASE-CR, OSFP)

Table 51: DMF Controller, Recorder & Analytical Node Specifications

Model	Cable Length(m)	DMF Controller Node				DMF Recorder Node			DMF Analytical Node	
		DCA-DM-CDL (HWDL2)	DCA-DM-CDL	DCA-DM-C450	DCA-DM-C660	DCA-DM-RA3	DCA-DM-RN760	DCA-DM-RN760L	DCA-DM-AA3	DCA-DM-AN450
CAB-O-8S-200G-1M	1	N	N	N	N	N	N	N	N	N
CAB-O-8S-200G-2M	2	N	N	N	N	N	N	N	N	N
CAB-O-8S-200G-3M	3	N	N	N	N	N	N	N	N	N

Table 52: DMF Service Node Specifications

Model	Cable Length(m)	DMF Service Node						
		DCA-DM-SC	DCA-DM-SC2	DCA-DM-SDL	DCA-DM-SDL2	DCA-DM-SEL	DCA-DM-SNR660	DCA-DM-SN760L
CAB-O-8S-200G-1M	1	N	N	N	N	Y ¹	N	N
CAB-O-8S-200G-2M	2	N	N	N	N	Y ¹	N	N
CAB-O-8S-200G-3M	3	N	N	N	N	Y ¹	N	N

1 SFP+ end only

Supported Transceivers & Cables for Arista 7050X4 Series Switches

The Arista 7050X4 are a member of the Arista 7050X series and a key components of the Arista portfolio of data center switches. Given that the 7050X4 series fabric switches run EOS, refer to the ***Arista Transceiver Compatibility and Interoperability Guide*** and ***Arista Optics Modules and Cables Data Sheet*** for optical transceivers and cables supported with Arista 7050X4 series switches.

- **Arista Transceiver Compatibility and Interoperability Guide**
 - <https://www.arista.com/assets/data/pdf/Transceiver-Guide-v5.pdf>
- **Arista Optics Modules and Cables Data Sheet**
 - <https://www.arista.com/assets/data/pdf/Datasheets/Transceiver-Data-Sheet.pdf>

Supported Transceivers & Cables for Arista 7280R Series Switches

Given that the 7280R series fabric switches run EOS, refer to the *Arista Transceiver Compatibility and Interoperability Guide* and *Arista Optics Modules and Cables Data Sheet* for optical transceivers and cables supported with Arista 7280R series switches.

- **Arista Transceiver Compatibility and Interoperability Guide**
 - <https://www.arista.com/assets/data/pdf/Transceiver-Guide-v5.pdf>
- **Arista Optics Modules and Cables Data Sheet**
 - <https://www.arista.com/assets/data/pdf/Datasheets/Transceiver-Data-Sheet.pdf>

Supported Transceivers & Cables for Arista 7289 and 7800 Series Switches

Given that the 7289 and 7800 series switches run EOS, refer to the *Arista Transceiver Compatibility and Interoperability Guide* and *Arista Optics Modules and Cables Data Sheet* for optical transceivers and cables supported with Arista 7289 and 7800 series switches.

- **Arista Transceiver Compatibility and Interoperability Guide**
 - <https://www.arista.com/assets/data/pdf/Transceiver-Guide-v5.pdf>
- **Arista Optics Modules and Cables Data Sheet**
 - <https://www.arista.com/assets/data/pdf/Datasheets/Transceiver-Data-Sheet.pdf>

Supported Transceivers & Cables for Arista 7050x3 and 7260x3 Series Switches

This chapter lists the optical transceivers and cables supported with Arista 7050x3 and 7260x3 series fabric switches.

6.1 1G-Copper Transceivers (1GBASE-T SFP, RJ45 connector)

Vendor	Model	Max CAT5 cable length (m)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C/48C8C	7050SX3-48Y/C8/48Y/C8C	7050SX3-48Y/C12	7050SX3-96Y/C8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	SFP-1G-T	100	Y	Y	Y	Y	Y	N	Y ¹	Y ¹

¹ Requires Mellanox MAM1Q00A-QSA or MAM1Q00A-QSA28 adapter on QSFP28 port.

6.2 1G-LX Transceivers (1GBASE-LX SFP 1310nm, LC connector)

Vendor	Model	Max SM Fiber Distance (km)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C/48C8C	7050SX3-48Y/C8/48Y/C8C	7050SX3-48Y/C12	7050SX3-96Y/C8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	SFP-1G-LX ¹	10	Y	Y	Y	Y	Y	N	Y ²	Y ²

¹ Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.

² Requires Mellanox MAM1Q00A-QSA or MAM1Q00A-QSA28 adapter on QSFP28 port.

6.3 1G-SX Transceivers (1GBASE-SX SFP 850nm, LC connector)

Vendor	Model	Max OM1 MM Fiber Distance (m)	Max OM2/3/4 MM Fiber Distance (m)	Arista Networks							
				7050CX3-48YCB/48YC8C	7050CX3-48YCB/48YC8C	7050CX3-48YCB/48YC8C	7050CX3-48YCB/48YC8C	7050CX3-48YCB/48YC8C	7050CX3-48YCB/48YC8C	7050CX3-48YCB/48YC8C	7050CX3-48YCB/48YC8C
Arista Networks	SFP-1G-SX ¹	300	500	Y	Y	Y	Y	Y	N	Y ²	Y ²

- 1 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.
- 2 Requires Mellanox MAM1Q00A-QSA or MAM1Q00A-QSA28 adapter on QSFP28 port.

6.4 10G-DAC Cables (10GBASE-CR SFP+)

Vendor	Model	Cable length (m)	Arista Networks							
			7050CX3-32C/32S	7050CX3-48C8/48C8C	7050CX3-48YCB/48YC8C	7050CX3-48YCB/48YC8C	7050CX3-48YCB/48YC8C	7050CX3-48YCB/48YC8C	7050CX3-48YCB/48YC8C	7050CX3-48YCB/48YC8C
Arista Networks	CAB-SFP-SFP-1M	1	Y	Y	Y	Y	Y	N	Y ¹	Y ¹
Arista Networks	CAB-SFP-SFP-2M	2	Y	Y	Y	Y	Y	N	Y ¹	Y ¹
Arista Networks	CAB-SFP-SFP-3M	3	Y	Y	Y	Y	Y	N	Y ¹	Y ¹
Arista Networks	CAB-SFP-SFP-5M	5	Y	Y	Y	Y	Y	N	Y ¹	Y ¹

- 1 Requires Mellanox MAM1Q00A-QSA or MAM1Q00A-QSA28 adapter on QSFP28 port.

6.5 10G-AOC Cables (10GBASE-SR SFP+850nm)*

Vendor	Model	Cable length(m)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	AOC-S-S-10G-3M ¹	3	Y	Y	Y	Y	Y	N	Y ²	Y ²
Arista Networks	AOC-S-S-10G-5M ¹	5	Y	Y	Y	Y	Y	N	Y ²	Y ²
Arista Networks	AOC-S-S-10G-7M ¹	7	Y	Y	Y	Y	Y	N	Y ²	Y ²
Arista Networks	AOC-S-S-10G-10M ¹	10	Y	Y	Y	Y	Y	N	Y ²	Y ²
Arista Networks	AOC-S-S-10G-15M ¹	15	N	Y	N	N	Y	N	Y ²	Y ²
Arista Networks	AOC-S-S-10G-20M ¹	20	Y	Y	Y	Y	Y	N	Y ²	Y ²
Arista Networks	AOC-S-S-10G-25M ¹	25	Y	Y	Y	Y	Y	N	Y ²	Y ²
Arista Networks	AOC-S-S-10G-30M ¹	30	Y	Y	Y	Y	Y	N	Y ²	Y ²

- 1 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.
- 2 Requires Mellanox MAM1Q00A-QSA or MAM1Q00A-QSA28 adapter on QSFP28 port.

6.6 10G-Copper Transceivers (10GBASE-T SFP, RJ45 connector)

Vendor	Model	Max CAT5 cable length (m)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	SFP-10G-T ¹	30	Y	Y	Y	Y	Y ²	N	Y ³	Y ³

- 1 10GBASE-T SFPs support auto-negotiate only at 10Gb/s link speed.
- 2 Supported on SFP25 ports 1-48 (top two rows), 50-106 (bottom row), with remaining SFP25 ports populated with 2W max non-BASE-T modules. Supported on front-to-rear airflow (-F) models only.
- 3 Requires Mellanox MAM1Q00A-QSA or MAM1Q00A-QSA28 adapter on QSFP28 port.

6.7 10G-ER Transceivers (10GBASE-ER SFP+ 1310nm, LC connector)

Vendor	Model	Max SM Fiber Distance (km)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	SFP-10G-ER ¹	40	Y	Y	Y	Y	Y	N	Y ²	Y ²

- 1 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.
- 2 Requires Mellanox MAM1Q00A-QSA or MAM1Q00A-QSA28 adapter on QSFP28 port.

6.8 10G-LR Transceivers (10GBASE-LR SFP+ 1310nm, LC connector)

Vendor	Model	Max SM Fiber Distance (km)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	SFP-10G-LR ¹	10	Y	Y	Y	Y	Y	N	Y ²	Y ²
Arista Networks	SFP-10G-LRL ¹	1	Y	Y	Y	Y	Y	N	Y ²	Y ²

- 1 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.
- 2 Requires Mellanox MAM1Q00A-QSA or MAM1Q00A-QSA28 adapter on QSFP28 port.

6.9 10G-SR Transceivers (10GBASE-SR SFP+ 850nm, LC connector)

Vendor	Model	Max OM3 MM Fiber Distance (m)	Max OM4 MM Fiber Distance (m)	Arista Networks							
				7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	SFP-10G-SR ¹	300	400	Y	Y	Y	Y	Y	N	Y ²	Y ²
Arista Networks	SFP-10G-SRL ¹	100	150	Y	Y	Y	Y	Y	N	Y ²	Y ²

- 1 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.
- 2 Requires Mellanox MAM1Q00A-QSA or MAM1Q00A-QSA28 adapter on QSFP28 port.

6.10 25G-DAC Cables (25GBASE-CR SFP28)

Vendor	Model	Cable length (m)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7280CX3-64	7280CX3-64E
Arista Networks	CAB-S-S-25G-1M ¹	1	N	N	Y	Y	Y	N	Y ²	Y ²
Arista Networks	CAB-S-S-25G-2M ¹	2	N	N	Y	Y	Y	N	Y ²	Y ²
Arista Networks	CAB-S-S-25G-3M ¹	3	N	N	Y	Y	Y	N	Y ²	Y ²
Arista Networks	CAB-S-S-25G-5M ¹	5	N	N	Y	Y	Y	N	Y ²	Y ²

- 1 Forward-Error-Correction(FEC) and Auto-Negotiation (AN) are disabled on all 25G-DAC cables by default
- 2 Requires Mellanox MAM1Q00A-QSA or MAM1Q00A-QSA28 adapter on QSFP28 port.

6.11 25G-AOC Cables (25GBASE-SR SFP+ 850nm)

Vendor	Model	Cable length (m)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7280CX3-64	7280CX3-64E
Arista Networks	AOC-S-S-25G-3M ^{1,2}	3	N	N	Y	Y	Y	N	Y ³	Y ³
Arista Networks	AOC-S-S-25G-5M ^{1,2}	5	N	N	Y	Y	Y	N	Y ³	Y ³
Arista Networks	AOC-S-S-25G-7M ^{1,2}	7	N	N	Y	Y	Y	N	Y ³	Y ³
Arista Networks	AOC-S-S-25G-10M ^{1,2}	10	N	N	Y	Y	Y	N	Y ³	Y ³
Arista Networks	AOC-S-S-25G-15M ^{1,2}	15	N	N	Y	Y	Y	N	Y ³	Y ³
Arista Networks	AOC-S-S-25G-20M ^{1,2}	20	N	N	Y	Y	Y	N	Y ³	Y ³
Arista Networks	AOC-S-S-25G-25M ^{1,2}	25	N	N	Y	Y	Y	N	Y ³	Y ³
Arista Networks	AOC-S-S-25G-30M ^{1,2}	30	N	N	Y	Y	Y	N	Y ³	Y ³

- 1 Forward-Error-Correction (FEC) is disabled on all 25G-AOC cables by default
- 2 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.
- 3 Requires Mellanox MAM1Q00A-QSA or MAM1Q00A-QSA28 adapter on QSFP28 port.

6.12 25G-LR Transceivers (25GBASE-LR SFP28 1310nm, LC connector)

Vendor	Model	Max 5M Fiber Distance (km)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7280CX3-54	7280CX3-54E
Arista Networks	SFP-25G-LR ^{1,2}	10	N	N	Y ³	Y ³	Y ³	N	Y ³	Y ³
Arista Networks	SFP-25G-MR-LR ^{1,2,4}	10	Y ⁵	N	Y ³	Y ³	Y ³	N	Y ³	Y ³

- 1 Forward-Error-Correction (FEC) is disabled on all 25G-LR cables by default
- 2 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.
- 3 Requires Mellanox MAM1Q00A-QSA or MAM1Q00A-QSA28 adapter on QSFP28 port.
- 4 Support 25G and 10G.
- 5 Support 10G on SFP+ ports.

6.13 25G-SR Transceivers (25GBASE-SR SFP28 850nm, LC connector)*

Vendor	Model	Max OM3 MM Fiber Distance (m)	Max OM4 MM Fiber Distance (m)	Arista Networks							
				7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7280CX3-54	7280CX3-54E
Arista Networks	SFP-25G-SR ^{1,2}	70	100	N	N	Y ³	Y ³	Y ³	N	Y ³	Y ³
Arista Networks	SFP-25G-MR-SR ^{1,2,4}	70	100	Y ⁵	N	Y ³	Y ³	Y ³	N	Y ³	Y ³
Arista Networks	SFP-25G-MR-XSR ^{1,2,4}	200	300	Y ⁵	N	Y ³	Y ³	Y ³	N	Y ³	Y ³

- 1 Forward-Error-Correction (FEC) is disabled on all 25G-SR cables by default
- 2 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.
- 3 Requires Mellanox MAM1Q00A-QSA or MAM1Q00A-QSA28 adapter on QSFP28 port.
- 4 Support 25G and 10G.
- 5 Support 10G on SFP+ ports.

6.14 40G-DAC Cables (40GBASE-CR4 QSFP+)

Vendor	Model	Cable length (m)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	CAB-Q-Q-1M	1	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	CAB-Q-Q-2M	2	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	CAB-Q-Q-3M	3	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	CAB-Q-Q-5M	5	Y	Y	Y	Y	Y	Y	Y	Y

6.15 40G-AOC Cables (QSFP+)

Vendor	Model	Cable Length (m)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	AOC-Q-Q-40G-50M ¹	50	Y	Y	Y	Y	Y	Y	Y	Y

¹ Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.

6.16 40G-BiDi Transceivers (40GBASE-BiDi QSFP+ 832-918nm, LC connector)

Vendor	Model	Max OM3 MM Fiber Distance (m)	Max OM4 MM Fiber Distance (m)	Arista Networks							
				7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	QSFP-40G-SRBD ^{1,2}	100	150	Y	Y	Y	Y	Y	Y	Y	
Arista Networks	QSFP-40G-SRBD-R ^{2,3}	100	150	Y	Y	Y	Y	Y	Y	Y	

¹ 40G-SRBD optics can't have 4X10-GbE ports in breakout mode.

² Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.

³ 40G-SRBD-R optics can't have 4X10-GbE ports in breakout mode.

6.17 40G-LR Transceivers (40GBASE-LR4 QSFP+ 1310nm, LC connector)

Vendor	Model	Max SM Fiber Distance (km)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7280CX3-64	7280CX3-64E
Arista Networks	QSFP-40G-LR4 ^{1,2}	10	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	QSFP-40G-LRL4 ^{1,2}	1	Y	Y	Y	Y	Y	Y	Y	Y

- 1 40G-LR optics can't have 4X10-GbE ports in breakout mode. 4X10G channels may be created across a single link connecting the two 40G-LR4 optics.
- 2 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.

6.18 40G-PLR4 Transceivers (40GBASE-PLR4 QSFP+ 1310nm, MPO connector)

Vendor	Model	Max SM Fiber Distance (km)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7280CX3-64	7280CX3-64E
Arista Networks	QSFP-40G-PLR4 ^{1,2}	10	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	QSFP-40G-PLRL4 ^{1,2}	1	Y	Y	Y	Y	Y	Y	Y	Y

- 1 40G-PLR optics can 4X10-GbE ports in breakout mode when attaching single-mode MTP to 4XLC breakout fiber cable.
- 2 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.

6.19 40G-SR Transceivers (40GBASE-SR4 QSFP+ 850nm, MPO connector)

Vendor	Model	Max OM3 MM Fiber Distance (m)	Max OM4 MM Fiber Distance (m)	Arista Networks							
				7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7280CX3-64	7280CX3-64E
Arista Networks	QSFP-40G-SR4 ^{1,2}	100	150	Y	Y	Y	Y	Y	Y	Y	

- 1 40G-SR optics can 4X10-GbE ports in breakout mode when attaching multi-mode MTP to 4XLC breakout fiber cable.
- 2 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.

6.23 100G-DAC Cables (100GBASE-CR4 QSFP28)

Vendor	Model	Cable length (m)	Arista Networks							
			7050CX3-32C/32S	7050X3-48C8/48C8C	7050X3-48YC8/48YC8C	7050S3-48YC12	7050S3-96YC8	7050T3-48C8	7280CX3-64	7280CX3-64E
Arista Networks	CAB-Q-Q-100G-0.5M ¹	0.5	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	CAB-Q-Q-100G-1M ¹	1	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	CAB-Q-Q-100G-2M ¹	2	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	CAB-Q-Q-100G-3M ¹	3	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	CAB-Q-Q-100G-5M ¹	5	Y	Y	Y	Y	Y	Y	Y	Y

¹ Forward-Error-Correction (FEC) and auto-negotiation are enabled on all 100G-DAC cables by default.

Auto-negotiation and FEC default settings may differ between connected ports. Check to ensure that settings are the same for proper interoperability.

6.24 100G-AOC Cables (QSFP28)

Vendor	Model	Cable length (m)	Arista Networks							
			7050CX3-32C/32S	7050X3-48C8/48C8C	7050X3-48YC8/48YC8C	7050S3-48YC12	7050S3-96YC8	7050T3-48C8	7280CX3-64	7280CX3-64E
Arista Networks	AOC-Q-Q-100G-1M ^{1,2}	1	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	AOC-Q-Q-100G-3M ^{1,2}	3	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	AOC-Q-Q-100G-5M ^{1,2}	5	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	AOC-Q-Q-100G-7M ^{1,2}	7	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	AOC-Q-Q-100G-10M ^{1,2}	10	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	AOC-Q-Q-100G-15M ^{1,2}	15	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	AOC-Q-Q-100G-20M ^{1,2}	20	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	AOC-Q-Q-100G-25M ^{1,2}	25	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	AOC-Q-Q-100G-30M ^{1,2}	30	Y	Y	Y	Y	Y	Y	Y	Y

¹ Forward-Error-Correction (FEC) is enabled on all 100G-AOC cables by default.

² Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.

6.25 100G-BiDi Transceivers (100GBASE-BiDi QSFP+ 850-910nm, LC connector)

Vendor	Model	Max OM3 MM Fiber Distance (m)	Max OM4 MM Fiber Distance (m)	Arista Networks								
				7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YCB/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E	
Arista Networks	QSFP-100G-SRBD ^{1,2,3}	70	100	Y	Y	Y	Y	Y	Y	Y	Y	Y

- 1 Forward-Error-Correction (FEC) is disabled on all 100G-BiDi optics by default.
- 2 100G-SRBD optics can't have 4X25-GbE ports in breakout mode.
- 3 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.

6.26 100G-CWDM4 Transceivers (100GBASE-CWDM4 QSFP28 1271-1331nm, LC connector)

Vendor	Model	Max SM Fiber Distance (km)	Arista Networks								
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YCB/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E	
Arista Networks	QSFP-100G-CWDM4 ^{1,2,3}	2	Y	Y	Y	Y	Y	Y	Y	Y	Y

- 1 Forward-Error-Correction (FEC) is enabled on all 100G-CWDM optics by default. 100G-CWDM4 optics can't have 4X10-GbE or 4X25-GbE ports in breakout mode.
- 2 Optic can run at 100-GbE or 40-GbE speed.
- 3 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.

6.27 100G-DR Transceivers (100GBASE-DR QSFP28 1310nm, LC connector)

Vendor	Model	Max SM Fiber Distance (m)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YCB/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	QSFP-100G-DR ^{1,2}	500	Y	Y	Y	Y	Y	Y	Y ³	Y

- 1 Forward-Error-Correction (FEC) is disabled on all 100G-DR optics by default. 100G-DR optics can't have 4X10-GbE or 4X25-GbE ports in breakout mode.
- 2 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.
- 3 Ports supported: 13, 15, 17, 19, 46, 48, 50, 52.

6.28 100G-ER4 Transceivers (100GBASE-ER4 QSFP28 1310nm, LC connector)

Vendor	Model	Max SM Fiber Distance (km)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC9C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	QSFP-100G-ERL4 ^{1,2}	40	Y	Y	Y	Y	Y	Y	Y ³	Y

- 1 Forward-Error-Correction (FEC) is enabled on all 100G-ER4 optics by default. 100G-ER4 optics can't have 4X10-GbE or 4X25-GbE ports in breakout mode.
- 2 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.
- 3 Ports supported: 13, 15, 17, 19, 46, 48, 50, 52.

6.29 100G-FR Transceivers (100GBASE-FR QSFP28 1310nm, LC connector)

Vendor	Model	Max SM Fiber Distance (km)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	QSFP-100G-FR ^{1,2}	2	Y	Y	Y	Y	Y	Y	Y ³	Y

- 1 Forward-Error-Correction (FEC) is disabled on all 100G-FR optics by default. 100G-FR optics can't have 4X10-GbE or 4X25-GbE ports in breakout mode.
- 2 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.
- 3 Ports supported: 13, 15, 17, 19, 46, 48, 50, 52.

6.30 100G-LR Transceivers (100GBASE-FR QSFP28 1310nm, LC connector)

Vendor	Model	Max SM Fiber Distance (km)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	QSFP-100G-LR ^{1,2}	10	Y	Y	Y	Y	Y	Y	Y ³	Y

- 1 Forward-Error-Correction (FEC) is disabled on all 100G-LR optics by default. 100G-LR optics can't have 4X10-GbE or 4X25-GbE ports in breakout mode.
- 2 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.
- 3 Ports supported: 13, 15, 17, 19, 46, 48, 50, 52.

6.31 100G-LR4 Transceivers (100GBASE-LR4 QSFP28 1310nm, LC connector)

Vendor	Model	Max SM Fiber Distance (km)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	QSFP-100G-LR4 ^{1,2}	10	Y	Y	Y	Y	Y	Y	Y ³	Y
Arista Networks	QSFP-100G-LRL4 ^{1,2}	2	Y	Y	Y	Y	Y	Y	Y ³	Y

- 1 Forward-Error-Correction (FEC) is enabled on all 100G-LR4 optics by default. 100G-LR4 optics can't have 4X10-GbE or 4X25-GbE ports in breakout mode.
- 2 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.
- 3 Ports supported: 13, 15, 17, 19, 46, 48, 50, 52.

6.32 100G-PSM4 Transceivers (100GBASE-PSM QSFP+ 1310nm, MPO connector)

Vendor	Model	Max SM Fiber Distance (km)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7280CX3-64	7280CX3-64E
Arista Networks	QSFP-100G-PSM4 ^{1,2}	500	Y	Y	Y	Y	Y	Y	Y	Y
Arista Networks	QSFP-100G-PLRL4 ³	2	Y	Y	Y	Y	Y	Y	Y	Y

- 1 100G-PSM4 optics can 4X25-GbE ports in breakout mode when attaching MTP to 4XLC breakout fiber cable. When 100G-PSM4 in 4X25-GbE breakout mode, each 25G-GbE port have Forward-Error-Correction (FEC) set to disabled.
- 2 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.
- 3 100G-PLRL4 optics can 4X25-GbE ports in breakout mode when attaching single-mode MTP to 4XLC breakout fiber cable.

6.33 100G-SR Transceivers (100GBASE-SR4 QSFP28 850nm, MPO connector)

Vendor	Model	Max OM3 Fiber Distance(m)	OM4 Fiber Distance(m)	Arista Networks							
				7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7280CX3-64	7280CX3-64E
Arista Networks	QSFP-100G-SR4 ^{1,2,3,4}	70	100	Y	Y	Y	Y	Y	Y	Y	
Arista Networks	QSFP-100G-XSR4 ^{1,2,3,4}	150	300	Y	Y	Y	Y	Y	Y	Y	

- 1 Forward-Error-Correction (FEC) is enabled on all 100G-SR4 and 100G-XSR4 optics by default.
- 2 100G-SR4 optics can 4X10-GbE ports in breakout mode when attaching MTP to 4XLC breakout fiber cable.
- 3 When 100G-SR4 and 100G-XSR4 are in 4X25-GbE breakout mode, each 25-GbE port has Forward-Error-Correction (FEC) set to disabled.
- 4 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.

6.34 100G-SWDM4 Transceivers (100GBASE-SWDM QSFP+ 850nm, LC connector)

Vendor	Model	Max OM3 MM Fiber Distance (m)	Max OM4 MM Fiber Distance (m)	Arista Networks							
				7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	QSFP-100G-SWDM4 ^{1,2,3}	70	100	Y	Y	Y	Y	Y	Y	Y	Y

- 1 Forward-Error-Correction (FEC) is enabled on all 100G-SWDM optics by default.
- 2 100G-SWDM optics can't have 4X10-GbE ports in breakout mode.
- 3 Support Digital Optical Monitoring (DOM): Temperature, voltage, and optical levels.

6.35 100G-4X25G Breakout DAC Cables (1X QSFP28, 4X SFP+)

Vendor	Model	Cable length (m)	Arista Networks							
			7050CX3-32C/32S	7050SX3-48C8/48C8C	7050SX3-48YC8/48YC8C	7050SX3-48YC12	7050SX3-96YC8	7050TX3-48C8	7260CX3-64	7260CX3-64E
Arista Networks	CAB-Q-4S-100G-1M ¹	1	Y ²	Y	Y	Y	Y	Y	Y	Y
Arista Networks	CAB-Q-4S-100G-2M ¹	2	Y ²	Y	Y	Y	Y	Y	Y	Y
Arista Networks	CAB-Q-4S-100G-3M ¹	3	Y ²	Y	Y	Y	Y	Y	Y	Y
Arista Networks	CAB-Q-4S-100G-5M ¹	5	Y ²	Y	Y	Y	Y	Y	Y	Y

- 1 Each 25G-GbE port has auto-negotiation and Forward-Error-Correction (FEC) set to disabled on 4X25-GbE breakout DAC Cable by default.
- 2 QSFP28 end only.