OPTCORE

AOC Cable Test Report

PN: SFP-10G-AOC3M

Test by: Maddy | Date: 2026/1/27

I. Test Purpose

By building realistic switch use cases, we test whether the SFP-10G-AOC3M cable meets industry standards, performs at a high level, and is compatible with the target switch platform.

II. Test Results Summary

Test items	Test Result	Note
Compatibility Test	Pass	Check whether the cable is compatible with the target switch
Digital Diagnostic Monitoring	Pass	Check whether the DDM parameters have exceeded the threshold value

III. Test Environment

3.1 Test Sample

Vendor Name	Part Number	Serial Number	Description
OPTCORE	SFP-10G-AOC3M	25I3503101	10G SFP+ Active Optical Cable

3.2 Test Equipment Used

Equipment Brand	Equipment Model	Software Version/Note
Dell	EMC S4148F-ON	10.5.5.6

IV. Test Data

4.1 Compatibility Test

<table>
<tr>
<td>Test Data</td>
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OS10# show interface status

Port Description Status Speed Duplex Mode Vlan Tagged-Vlans

Eth 1/1/1 down 0 full A 1 -
Eth 1/1/2 down 0 full A 1 -
Eth 1/1/3 down 0 full A 1 -
Eth 1/1/4 down 0 full A 1 -
Eth 1/1/5 down 0 full A 1 -
Eth 1/1/6 down 0 full A 1 -
Eth 1/1/7 down 0 full A 1 -
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	Eth 1/1/8	down	0	full	A	1	-
	Eth 1/1/9	down	0	full	A	1	-
	Eth 1/1/10	down	0	full	A	1	-
	Eth 1/1/11	down	0	full	A	1	-
	Eth 1/1/12	down	0	full	A	1	-
	Eth 1/1/13	down	0	full	A	1	-
	Eth 1/1/14	down	0	full	A	1	-
	Eth 1/1/15	down	0	full	A	1	-
	Eth 1/1/16	down	0	full	A	1	-
	Eth 1/1/17	down	0	full	A	1	-
	Eth 1/1/18	down	0	full	A	1	-
	Eth 1/1/19	down	0	full	A	1	-
	Eth 1/1/20	down	0	full	A	1	-
	Eth 1/1/21	down	0	full	A	1	-
	Eth 1/1/22	down	0	full	A	1	-
	Eth 1/1/23	down	0	full	A	1	-
	Eth 1/1/24	down	0	full	A	1	-
	Eth 1/1/25	down	0	full	A	1	-
	Eth 1/1/26	down	0	full	A	1	-
	Eth 1/1/29	down	0	full	A	1	-
	Eth 1/1/30	down	0	full	A	1	-
	Eth 1/1/31	up	10G	full	A	1	-
	Eth 1/1/32	down	0	full	A	1	-
	Eth 1/1/33	down	0	full	A	1	-
	Eth 1/1/34	down	0	full	A	1	-
	Eth 1/1/35	down	0	full	A	1	-
	Eth 1/1/36	down	0	full	A	1	-
	Eth 1/1/37	down	0	full	A	1	-
	Eth 1/1/38	down	0	full	A	1	-
	Eth 1/1/39	down	0	full	A	1	-
	Eth 1/1/40	down	0	full	A	1	-
	Eth 1/1/41	up	10G	full	A	1	-
	Eth 1/1/42	down	0	full	A	1	-
	Eth 1/1/43	down	0	full	A	1	-
	Eth 1/1/44	down	0	full	A	1	-
	Eth 1/1/45	down	0	full	A	1	-
	Eth 1/1/46	down	0	full	A	1	-
	Eth 1/1/47	down	0	full	A	1	-
	Eth 1/1/48	down	0	full	A	1	-
	Eth 1/1/49	down	0	full	A	1	-
	Eth 1/1/50	down	0	full	A	1	-
	Eth 1/1/51	down	0	full	A	1	-
	Eth 1/1/52	down	0	full	A	1	-
	Eth 1/1/53	down	0	full	A	1	-
	Eth 1/1/54	down	0	full	A	1	-

Test Conclusion	The SFP+ AOC Cable was successfully recognized by the Dell EMC S4148F-ON, with all identification information accurately displayed in the outputs.

4.2 Digital Diagnostic Monitoring

Test Data	OS10# show interface phy-eth SFP is present SFP1/1/31 Serial Base ID fields SFP1/1/31 Id = 3 SFP1/1/31 Ext Id = 4 SFP1/1/31 Connector = 11 SFP1/1/31 Transceiver Code = 0 SFP1/1/31 Encoding = 6 SFP1/1/31 BR nominal = 103 SFP1/1/31 Length(SFM) Km = 0 SFP1/1/31 Length(OM3) 2m = 0 SFP1/1/31 Length(OM2) 1m = 0 SFP1/1/31 Length(OM1) 1m = 0 SFP1/1/31 Length(copper) 1m = 3 SFP1/1/31 Vendor Rev = 312E SFP1/1/31 Laser wavelength = 850nm SFP1/1/31 Tunable wavelength= 850.0nm SFP1/1/31 Check code base = 0 SFP1/1/31 Serial Extended ID fields SFP1/1/31 Options = 26 SFP1/1/31 BR max = 0 SFP1/1/31 BR min = 0 SFP1/1/31 Vendor SN = 25I3503101 SFP1/1/31 Datecode = 250917 SFP1/1/31 CheckCodeExt = 0 SFP1/1/31 Diagnostic Information ========== SFP1/1/31 Temperature = 15.679C SFP1/1/31 Voltage = 3.313V SFP1/1/31 Rate select state = false ========== SFP Channel = 0 SFP Tx Bias Current = 6.024mA SFP Tx power = -2.735173 dBm SFP Rx power = -1.623485 dBm SFP is present SFP1/1/41 Serial Base ID fields SFP1/1/41 Id = 3 SFP1/1/41 Ext Id = 4 SFP1/1/41 Connector = 11

	SFP1/1/41 Transceiver Code = 0 SFP1/1/41 Encoding = 6 SFP1/1/41 BR nominal = 103 SFP1/1/41 Length(SFM) Km = 0 SFP1/1/41 Length(OM3) 2m = 0 SFP1/1/41 Length(OM2) 1m = 0 SFP1/1/41 Length(OM1) 1m = 0 SFP1/1/41 Length(copper) 1m = 3 SFP1/1/41 Vendor Rev = 312E SFP1/1/41 Laser wavelength = 850nm SFP1/1/41 Tunable wavelength= 850.0nm SFP1/1/41 Check code base = 0 SFP1/1/41 Serial Extended ID fields SFP1/1/41 Options = 26 SFP1/1/41 BR max = 0 SFP1/1/41 BR min = 0 SFP1/1/41 Vendor SN = 25I3503101 SFP1/1/41 Datecode = 250917 SFP1/1/41 CheckCodeExt = 0 SFP1/1/41 Diagnostic Information ========== SFP1/1/41 Temperature = 14.875C SFP1/1/41 Voltage = 3.284V SFP1/1/41 Rate select state = false ========== SFP Channel = 0 SFP Tx Bias Current = 6.015mA SFP Tx power = -2.737620 dBm SFP Rx power = -1.852864 dBm
Test Conclusion	After testing, the The SFP+ AOC Cable on the Dell EMC S4148F-ON DDM is normally identified, the parameters do not exceed thresholds, and the cable operates normally.

Appendix A. Document Revision

Version No	Date	Description
V1.0/EN	2026-1-27	Preliminary test report

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