

AOC Cable Test Report

PN: SFP-10G-AOC3M

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
Cisco	Nexus9000 C92160YC-X Switch	07.59

IV. Test Data

4.1 Compatibility Test



```

switch(config)# show interface status
-----
Port          Name          Status      Vlan      Duplex  Speed  Type
-----
mgmt0         --            notconnec  routed    auto    auto   --
-----
Port          Name          Status      Vlan      Duplex  Speed  Type
-----
Eth1/1        --            xcvrAbsen  routed    auto    auto   --
Eth1/2        --            xcvrAbsen  routed    auto    auto   --
Eth1/3        --            xcvrAbsen  routed    auto    auto   --
Eth1/4        --            xcvrAbsen  routed    auto    auto   --
    
```

Eth1/5	--	xcvrAbsen	routed	auto	auto	--
Eth1/6	--	xcvrAbsen	routed	auto	auto	--
Eth1/7	--	xcvrAbsen	routed	auto	auto	--
Eth1/8	--	xcvrAbsen	routed	auto	auto	--
Eth1/9	--	xcvrAbsen	routed	auto	auto	--
Eth1/10	--	xcvrAbsen	routed	auto	auto	--
Eth1/11	--	xcvrAbsen	routed	auto	auto	--
Eth1/12	--	xcvrAbsen	routed	auto	auto	--
Eth1/13	--	xcvrAbsen	routed	auto	auto	--
Eth1/14	--	xcvrAbsen	routed	auto	auto	--
Eth1/15	--	xcvrAbsen	routed	auto	auto	--
Eth1/16	--	xcvrAbsen	routed	auto	auto	--
Eth1/17	--	connected	routed	full	10G	10Gbase-SR
Eth1/18	--	xcvrAbsen	routed	auto	auto	--
Eth1/19	--	xcvrAbsen	routed	auto	auto	--
Eth1/20	--	xcvrAbsen	routed	auto	auto	--
Eth1/21	--	xcvrAbsen	routed	auto	auto	--
Eth1/22	--	xcvrAbsen	routed	auto	auto	--
Eth1/23	--	xcvrAbsen	routed	auto	auto	--
Eth1/24	--	xcvrAbsen	routed	auto	auto	--
Eth1/25	--	xcvrAbsen	routed	auto	auto	--
Eth1/26	--	xcvrAbsen	routed	auto	auto	--
Eth1/27	--	xcvrAbsen	routed	auto	auto	--
Eth1/28	--	xcvrAbsen	routed	auto	auto	--
Eth1/29	--	connected	routed	full	10G	10Gbase-SR
Eth1/30	--	xcvrAbsen	routed	auto	auto	--
Eth1/31	--	xcvrAbsen	routed	auto	auto	--
Eth1/32	--	xcvrAbsen	routed	auto	auto	--
Eth1/33	--	xcvrAbsen	routed	auto	auto	--
Eth1/34	--	xcvrAbsen	routed	auto	auto	--
Eth1/35	--	xcvrAbsen	routed	auto	auto	--
Eth1/36	--	xcvrAbsen	routed	auto	auto	--
Eth1/37	--	xcvrAbsen	routed	auto	auto	--
Eth1/38	--	xcvrAbsen	routed	auto	auto	--
Eth1/39	--	xcvrAbsen	routed	auto	auto	--
Eth1/40	--	xcvrAbsen	routed	auto	auto	--
Eth1/41	--	xcvrAbsen	routed	auto	auto	--
Eth1/42	--	xcvrAbsen	routed	auto	auto	--
Eth1/43	--	xcvrAbsen	routed	auto	auto	--
Eth1/44	--	xcvrAbsen	routed	auto	auto	--
Eth1/45	--	xcvrAbsen	routed	auto	auto	--
Eth1/46	--	xcvrAbsen	routed	auto	auto	--
Eth1/47	--	xcvrAbsen	routed	auto	auto	--
Eth1/48	--	xcvrAbsen	routed	auto	auto	--
Eth1/49	--	xcvrAbsen	routed	auto	auto	--

	Eth1/50	--	xcvrAbsen	routed	auto	auto	--
	Eth1/51	--	xcvrAbsen	routed	auto	auto	--
	Eth1/52	--	xcvrAbsen	routed	auto	auto	--
	Eth1/53	--	xcvrAbsen	routed	auto	auto	--
	Eth1/54	--	xcvrAbsen	routed	auto	auto	--
Test Conclusion	The SFP+ AOC Cable was successfully recognized by the Cisco Nexus9000 C92160YC-X switch, with all identification information accurately displayed in the outputs.						

4.2 Digital Diagnostic Monitoring

Test Data	switch# show interface transceiver details					
	Ethernet1/17					
	transceiver is present					
	type is 10Gbase-SR					
	name is OPTCORE					
	part number is SFP-10G-AOC3M					
	revision is 1.0					
	serial number is 25I3503101					
	nominal bitrate is 10300 MBit/sec					
	cisco id is 3					
cisco extended id number is 4						
SFP Detail Diagnostics Information (internal calibration)						

		Current	Alarms		Warnings	
		Measurement	High	Low	High	Low

Temperature		18.91 C	80.00 C	-10.00 C	75.00 C	-5.00 C
Voltage		3.27 V	3.59 V	3.00 V	3.50 V	3.09 V
Current		6.05 mA	15.00 mA	1.00 mA	12.00 mA	2.00 mA
Tx Power		-2.74 dBm	2.99 dBm	-10.00 dBm	0.99 dBm	-6.00 dBm
Rx Power		-1.70 dBm	2.99 dBm	-15.52 dBm	0.99 dBm	-14.55 dBm
Transmit Fault Count = 0						

Note: ++ high-alarm; + high-warning; -- low-alarm; - low-warning						
Ethernet1/29						
transceiver is present						
type is 10Gbase-SR						
name is OPTCORE						
part number is SFP-10G-AOC3M						
revision is 1.0						
serial number is 25I3503101						
nominal bitrate is 10300 MBit/sec						
cisco id is 3						
cisco extended id number is 4						
SFP Detail Diagnostics Information (internal calibration)						

	Current		Alarms		Warnings	
	Measurement	High	Low	High	Low	
Temperature	23.47 C	80.00 C	-10.00 C	75.00 C	-5.00 C	
Voltage	3.24 V	3.59 V	3.00 V	3.50 V	3.09 V	
Current	6.09 mA	15.00 mA	1.00 mA	12.00 mA	2.00 mA	
Tx Power	-2.74 dBm	2.99 dBm	-10.00 dBm	0.99 dBm	-6.00 dBm	
Rx Power	-1.88 dBm	2.99 dBm	-15.52 dBm	0.99 dBm	-14.55 dBm	
Transmit Fault Count = 0						
Note: ++ high-alarm; + high-warning; -- low-alarm; - low-warning						
Test Conclusion	After testing, the The SFP+ AOC Cable on the Cisco Nexus9000 C92160YC-X switch 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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