

# 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	2513503101	10G SFP+ Active Optical Cable

**3.2 Test Equipment Used**

Equipment Brand	Equipment Model	Software Version/Note
Extreme	VSP-7400-48Y-8C	8.0.5.1

**IV. Test Data**

**4.1 Compatibility Test**

Test Data	 <pre> THQ-DISTRO-TA-MELSW016006:1#show interfaces gigabitEthernet ***** Command Execution Time: Tue Jan 27 02:51:03 2026 UTC ***** ===== Port Interface ===== PORT          LINK PORT          PHYSICAL          STATUS NUM          INDEX DESCRIPTION          TRAP    LOCK    MTU    ADDRESS ADMIN OPERATE             </pre>
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1/1	192	25GbNone	true	false	1950	20:9e:f7:8d:84:00	up	down
1/2	193	25GbNone	true	false	1950	20:9e:f7:8d:84:01	up	down
1/3	194	25GbNone	true	false	1950	20:9e:f7:8d:84:02	up	down
1/4	195	25GbNone	true	false	1950	20:9e:f7:8d:84:03	up	down
1/5	196	25GbNone	true	false	1950	20:9e:f7:8d:84:04	up	down
1/6	197	25GbNone	true	false	1950	20:9e:f7:8d:84:05	up	down
1/7	198	25GbNone	true	false	1950	20:9e:f7:8d:84:06	up	down
1/8	199	25GbNone	true	false	1950	20:9e:f7:8d:84:07	up	down
1/9	200	25GbNone	true	false	1950	20:9e:f7:8d:84:08	up	down
1/10	201	25GbNone	true	false	1950	20:9e:f7:8d:84:09	up	down
1/11	202	25GbNone	true	false	1950	20:9e:f7:8d:84:0a	up	down
1/12	203	25GbNone	true	false	1950	20:9e:f7:8d:84:0b	up	down
1/13	204	25GbNone	true	false	1950	20:9e:f7:8d:84:0c	up	down
1/14	205	25GbNone	true	false	1950	20:9e:f7:8d:84:0d	up	down
1/15	206	25GbNone	true	false	1950	20:9e:f7:8d:84:0e	up	down
1/16	207	25GbNone	true	false	1950	20:9e:f7:8d:84:0f	up	down
1/17	208	10GbAOC	true	false	1950	20:9e:f7:8d:84:10	up	up
1/18	209	25GbNone	true	false	1950	20:9e:f7:8d:84:11	up	down
1/19	210	25GbNone	true	false	1950	20:9e:f7:8d:84:12	up	down
1/20	211	25GbNone	true	false	1950	20:9e:f7:8d:84:13	up	down
1/21	212	25GbNone	true	false	1950	20:9e:f7:8d:84:14	up	down
1/22	213	25GbNone	true	false	1950	20:9e:f7:8d:84:15	up	down
1/23	214	25GbNone	true	false	1950	20:9e:f7:8d:84:16	up	down
1/24	215	25GbNone	true	false	1950	20:9e:f7:8d:84:17	up	down
1/25	216	25GbNone	true	false	1950	20:9e:f7:8d:84:18	up	down
1/26	217	25GbNone	true	false	1950	20:9e:f7:8d:84:19	up	down
1/27	218	10GbAOC	true	false	1950	20:9e:f7:8d:84:1a	up	up
1/28	219	25GbNone	true	false	1950	20:9e:f7:8d:84:1b	up	down
1/29	220	25GbNone	true	false	1950	20:9e:f7:8d:84:1c	up	down
1/30	221	25GbNone	true	false	1950	20:9e:f7:8d:84:1d	up	down
1/31	222	25GbNone	true	false	1950	20:9e:f7:8d:84:1e	up	down
1/32	223	25GbNone	true	false	1950	20:9e:f7:8d:84:1f	up	down
1/33	224	25GbNone	true	false	1950	20:9e:f7:8d:84:20	up	down
1/34	225	25GbNone	true	false	1950	20:9e:f7:8d:84:21	up	down
1/35	226	25GbNone	true	false	1950	20:9e:f7:8d:84:22	up	down
1/36	227	25GbNone	true	false	1950	20:9e:f7:8d:84:23	up	down
1/37	228	25GbNone	true	false	1950	20:9e:f7:8d:84:24	up	down
1/38	229	25GbNone	true	false	1950	20:9e:f7:8d:84:25	up	down
1/39	230	25GbNone	true	false	1950	20:9e:f7:8d:84:26	up	down
1/40	231	25GbNone	true	false	1950	20:9e:f7:8d:84:27	up	down
1/41	232	25GbNone	true	false	1950	20:9e:f7:8d:84:28	up	down
1/42	233	25GbNone	true	false	1950	20:9e:f7:8d:84:29	up	down
1/43	234	25GbNone	true	false	1950	20:9e:f7:8d:84:2a	up	down
1/44	235	25GbNone	true	false	1950	20:9e:f7:8d:84:2b	up	down
1/45	236	25GbNone	true	false	1950	20:9e:f7:8d:84:2c	up	down

	1/46	237	25GbNone	true	false	1950	20:9e:f7:8d:84:2d	up	down
	1/47	238	25GbNone	true	false	1950	20:9e:f7:8d:84:2e	up	down
	1/48	239	25GbNone	true	false	1950	20:9e:f7:8d:84:2f	up	down
	1/49	256	100GbNone	true	false	1950	20:9e:f7:8d:84:30	up	down
	1/50	257	100GbNone	true	false	1950	20:9e:f7:8d:84:31	up	down
	1/51	258	100GbNone	true	false	1950	20:9e:f7:8d:84:32	up	down
	1/52	259	100GbNone	true	false	1950	20:9e:f7:8d:84:33	up	down
	1/53	260	100GbNone	true	false	1950	20:9e:f7:8d:84:34	up	down
	1/54	261	100GbNone	true	false	1950	20:9e:f7:8d:84:35	up	down
	1/s1	320	10GbInsight	true	false	1950	20:9e:f7:8d:84:38	down	down
Test Conclusion	The SFP+ AOC Cable was successfully recognized by the Extreme VSP-7400-48Y-8C, with all identification information accurately displayed in the outputs.								

### 4.2 Digital Diagnostic Monitoring

Test Data	<pre> THQ-DISTRO-TA-MELSW016006:1#show pluggable-optical-modules detail ***** Command Execution Time: Tue Jan 27 02:51:18 2026 UTC ***** ===== Pluggable Optical Module Info 1/17 Detail ===== Port: 1/17 Type: 10GbAOC DDM Supported : TRUE Vendor Name   : OPTCORE           Partnumber : SFP-10G-AOC3M Vendor REV    : 1.0              Vendor SN   : 2513503101 Vendor Date   : 09/17/25 Cable Length  : 3 m Wavelength    : 850.00 nm Digital Diagnostic Interface Supported Optics Status      : Ok Calibration        : Internal RX Power Measurement : Average Auxiliary 1 Monitoring : Not Implemented Auxiliary 2 Monitoring : Not Implemented           </pre>					
	<pre> =====           LOW_ALARM  LOW_WARN      ACTUAL    HIGH_WARN  HIGH_ALARM THRESHOLD           THRESHOLD THRESHOLD  VALUE    THRESHOLD THRESHOLD  STATUS ===== Temp(C)      -10.0    -5.0     15.4765  75.0     80.0    Normal Voltage(V)   3.0      3.1000   3.3243   3.5000   3.6000  Normal           </pre>					

Pluggable Optical Module Info 1/27 Detail						
<pre> ===== Port: 1/27 Type: 10GbAOC DDM Supported : TRUE Vendor Name   : OPTCORE           Partnumber : SFP-10G-AOC3M Vendor REV    : 1.0               Vendor SN   : 25I3503101 Vendor Date   : 09/17/25 Cable Length  : 3 m Wavelength    : 850.00 nm Digital Diagnostic Interface Supported Optics Status      : Ok Calibration        : Internal RX Power Measurement : Average Auxiliary 1 Monitoring : Not Implemented Auxiliary 2 Monitoring : Not Implemented ===== </pre>						
	LOW_ALARM	LOW_WARN	ACTUAL	HIGH_WARN	HIGH_ALARM	
THRESHOLD			VALUE	THRESHOLD	THRESHOLD	STATUS
Temp(C)	-10.0	-5.0	14.5781	75.0	80.0	Normal
Voltage(V)	3.0	3.1000	3.2926	3.5000	3.6000	Normal
Test Conclusion	After testing, the The SFP+ AOC Cable on the Extreme VSP-7400-48Y-8C 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

For more information, visit us on the web at [www.optcore.net](http://www.optcore.net)



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