OPTCORE

Transceiver Test Report

PN: OSP1250-CU01NCR (SFP-1G-T)

Test by: Maddy | Date: 2025/12/23

I. Test Purpose

By building realistic switch use cases, we test whether the OSP1250-CU01NCR (SFP-1G-T) transceiver 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 transceiver is compatible with the target switch
Transmission Distance Test	Pass	Check whether the transceiver meets the distance specification

III. Test Environment

3.1 Test Sample

Vendor Name	Part Number	Serial Number	Description
OPTCORE	OSP1250-CU01NCR	25F2001327	1000BASE-T SFP RJ45 Copper 100m Transceiver
OPTCORE	OSP1250-CU01NCR	25F2001328	1000BASE-T SFP RJ45 Copper 100m Transceiver

3.2 Test Equipment Used

Equipment Brand	Equipment Model	Software Version/Note
Cisco	WS-C3750-24TS	12.2(25) SEE
OPTCORE	CAB-C5-UTP-PVC-100m	100m Cat5 Snagless Unshielded (UTP) Ethernet Cable

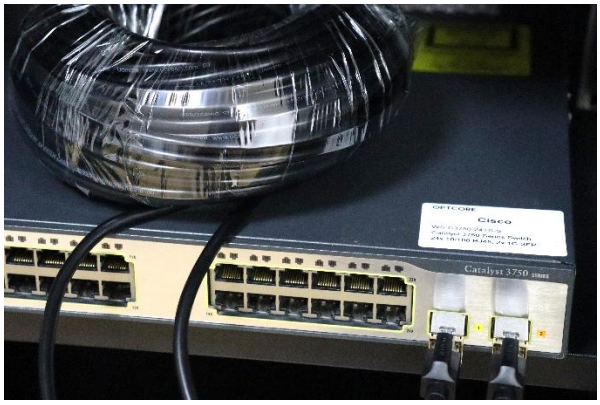
IV. Test Data

4.1 Compatibility Test

Test Data	 00:15:05: %LINK-3-UPDOWN: Interface GigabitEthernet1/0/1, changed state to up 00:15:05: %LINK-3-UPDOWN: Interface GigabitEthernet1/0/2, changed state to up 00:15:06: %LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet1/0/1, changed state to up 00:15:06: %LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet1/0/2, changed state to up

	C3750> show inv NAME: "1", DESCR: "WS-C3750-24TS" PID: WS-C3750-24TS-E , VID: V05, SN: CAT1016Z182 NAME: "GigabitEthernet1/0/1", DESCR: "10/100/1000BaseTX SFP" PID: SFP-GE-T , VID: V86, SN: 25F2001327 NAME: "GigabitEthernet1/0/2", DESCR: "10/100/1000BaseTX SFP" PID: SFP-GE-T , VID: V86, SN: 25F2001328
Test Conclusion	The optical transceiver was successfully recognized by the Cisco WS-C3750-24TS, with all identification information accurately displayed in the outputs.

4.2 Transmission Distance Test

Test Conclusion	 In this test, OSP1250-CU01NCR (SFP-1G-T) modules were connected using 100 m Cat5 UTP PVC copper Ethernet cables (OPTCORE CAB-C5-UTP-PVC-100m) to verify link stability. The modules were inserted into the switches and established a point-to-point connection. The link was monitored for one hour to check for any bit errors, packet loss, link drops, or interruptions. All connections remained stable and error-free, indicating that the modules perform reliably over a 100 m Cat5 copper Ethernet link.

Appendix A. Document Revision

Version No	Date	Description
V1.0/EN	2025-12-23	Preliminary test report