

Transceiver Test Report

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

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	24L2001503	1000BASE-T SFP RJ45 Copper 100m Transceiver
OPTCORE	OSP1250-CU01NCR	24L2001504	1000BASE-T SFP RJ45 Copper 100m Transceiver

3.2 Test Equipment Used

Equipment Brand	Equipment Model	Software Version/Note
Dell	PowerConnect 3524	2.0.0.29
OPTCORE	CAB-C5-UTP-PVC-100m	100m Cat5 Snagless Unshielded (UTP) Ethernet Cable

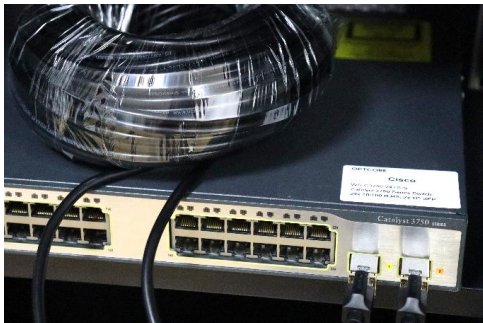
IV. Test Data

4.1 Compatibility Test

Test Data			
	<pre>01-Jan-2000 00:06:53 %Fiber-I-SFP-PRESENT-CHNG: g2 SFP status is present. 01-Jan-2000 00:06:56 %Fiber-I-SFP-PRESENT-CHNG: g1 SFP status is present. 01-Jan-2000 00:07:34 %LINK-I-Up: Vlan 1 01-Jan-2000 00:07:34 %LINK-I-Up: g1 01-Jan-2000 00:07:34 %LINK-I-Up: g2 RS-SH-SW1# show interfaces advertise Port Type Neg Operational Link Advertisement</pre>		

	e1 100M-Copper Enabled	--
	e2 100M-Copper Enabled	--
	e3 100M-Copper Enabled	--
	e4 100M-Copper Enabled	--
	e5 100M-Copper Enabled	--
	e6 100M-Copper Enabled	--
	e7 100M-Copper Enabled	--
	e8 100M-Copper Enabled	--
	e9 100M-Copper Enabled	--
	e10 100M-Copper Enabled	--
	e11 100M-Copper Enabled	--
	e12 100M-Copper Enabled	--
	e13 100M-Copper Enabled	--
	e14 100M-Copper Enabled	--
	e15 100M-Copper Enabled	--
	e16 100M-Copper Enabled	--
	e17 100M-Copper Enabled	--
	e18 100M-Copper Enabled	--
	e19 100M-Copper Enabled	--
	e20 100M-Copper Enabled	--
	e21 100M-Copper Enabled	--
	e22 100M-Copper Enabled	--
	e23 100M-Copper Enabled	--
	e24 100M-Copper Enabled	--
	g1 1G-Fiber Enabled 1000f	
	g2 1G-Fiber Enabled 1000f	
	g3 1G-Copper Enabled	--
	g4 1G-Copper Enabled	--
Test Conclusion	The optical transceiver was successfully recognized by the Dell PowerConnect 3524, with all identification information accurately displayed in the outputs.	

4.2 Transmission Distance Test

Test Conclusion	 <p>In this test, OSP1250-CU01NCR (SFP-1G-T) modules were connected using 100 m Cat5</p>
-----------------	---

	<p>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.</p>
--	---

Appendix A. Document Revision

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

For more information, visit us on the web at www.optcore.net



V1.0/EN Copyright © 2025 Optcore Technology Co., Ltd. All rights reserved. Optcore, Optcore logo are registered trademarks of Optcore Technology Co., Ltd. All other brands, product names, or trademarks mentioned are the property of their respective owners. Specifications and product availability are subject to change without notice. Optcore assumes no responsibility for inaccuracies contained herein.

