OPTCORE

Transceiver Test Report

PN: OPB1250-3520DCR / OPB1250-5320DCR
(SFP-1G-BX-U / SFP-1G-BX-D)

Test by: Maddy | Date: 2026/02/02

I. Test Purpose

By building realistic switch use cases, we test whether the OPB1250-3520DCR (SFP-1G-BX-U) & OPB1250-5320DCR (SFP-1G-BX-D) 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	OPB1250-3520DCR	25E4403777	1000BASE-BX SFP BiDi 1310nm-TX/1550nm-RX 20km Transceiver
OPTCORE	OPB1250-5320DCR	25E4403736	1000BASE-BX SFP BiDi 1550nm-TX/1310nm-RX 20km Transceiver

3.2 Test Equipment Used

Equipment Brand	Equipment Model	Software Version/Note
MikroTik	CSS610-8G-2S-IN	SwOS Lite
OPTCORE	LC-LC-SM-S20KM	20km simplex LC single mode patch cable

IV. Test Data

4.1 Compatibility Test

Test Data

	Vendor	Part Number	Revison	Serial	Date	Type	Temperature	Voltage	Tx Bias	Tx Power	Rx Power
SFP1											
SFP2	OPTCORE	OPB1250-3520DCR		25E4403736	2025/6/3	1310nm single-mode fiber	20C	3.307V	17mA	-4.76dBm	-9.52dBm

	Vendor	Part Number	Revison	Serial	Date	Type	Temperature	Voltage	Tx Bias	Tx Power	Rx Power
SFP1											
SFP2	OPTCORE	OPB1250-5320DCR		25E4403777	2025/6/3	1550nm single-mode fiber	23C	3.299V	23mA	-6.69dBm	-5.677dBm

Test Conclusion	The optical transceiver was successfully recognized by the MikroTik CSS610-8G-2S-IN, with all identification information accurately displayed in the outputs.

4.2 Transmission Distance Test

Test Conclusion	In this test, OPB1250-3520DCR (SFP-1G-BX-U) & OPB1250-5320DCR (SFP-1G-BX-D) modules were connected using 20km single mode fiber (SMF) cables 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 an 20km single mode fiber link.

Appendix A. Document Revision

Version No	Date	Description
V1.0/EN	2026-02-02	Preliminary test report