OPTCORE

Transceiver Test Report

PN: OPB10G-2310DCR / OPB10G-3210DCR
(SFP-10G-BX10-U / SFP-10G-BX10-D)

Test by: Maddy | Date: 2025/12/30

I. Test Purpose

By building realistic switch use cases, we test whether the OPB10G-2310DCR (SFP-10G-BX10-U) & OPB10G-3210DCR (SFP-10G-BX10-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

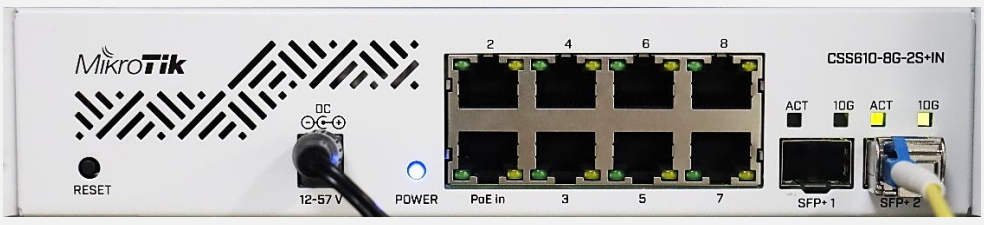
Vendor Name	Part Number	Serial Number	Description
OPTCORE	OPB10G-3210DCR	A231221220001	10G SFP+ BiDi 1330nm-TX/1270nm-RX 10km Transceiver
OPTCORE	OPB10G-2310DCR	A231221220002	10G SFP+ BiDi 1270nm-TX/1330nm-RX 10km Transceiver

3.2 Test Equipment Used

Equipment Brand	Equipment Model	Software Version/Note
MikroTik	CSS610-8G-2S-IN	SwOS Lite
OPTCORE	LC-LC-SM-S10KM	10km simplex LC single mode patch cable

IV. Test Data

4.1 Compatibility Test

Test Data	

	MikroTik SwOS Lite SFP

	Vendor	Part Number	Revison	Serial	Date	Type	Temperature	Voltage	Tx Bias	Tx Power	Rx Power
SFP1											
SFP2	optcore	OPB10G-3210DCR	A	A321221220002	2022/12/5	1330nm single-mode fiber	11C	3.257V	13mA	1.702dBm	0.353dBm

MikroTik SwOS Lite

SFP

	Vendor	Part Number	Revison	Serial	Date	Type	Temperature	Voltage	Tx Bias	Tx Power	Rx Power
SFP1											
SFP2	optcore	OPB10G-2310DCR	A	A231221220001	2022/12/5	1270nm single-mode fiber	6C	3.26V	15mA	-1.709dBm	2.361dBm

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, OPB10G-2310DCR (SFP-10G-BX10-U) & OPB10G-3210DCR (SFP-10G-BX10-D) modules were connected using 10km 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 10km single mode fiber link.

Appendix A. Document Revision

Version No	Date	Description
V1.0/EN	2025-12-30	Preliminary test report

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