

## TEST REPORT



REPORT NO: CTNT240903001

Product name: 100GBASE-SR4 QSFP28 Transceiver

Model No.: SM9110-SR4

Applicant: TP-Link Systems Inc.

Test procedure: Type Test

Shenzhen Zhongwei Testing Technology Co., Ltd.



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**TEST REPORT****IEC 60825-1****Safety of laser products –****Part 1: Equipment classification and requirements****IEC 60825-2****Safety of laser products –****Part 2: Safety of optical fibre communication systems (OFCSSs)****Report Number** ..... : CTNT240903001**Date of issue** ..... : Sep 30, 2024

**Name of Testing Laboratory**  
**preparing the Report**..... : Shenzhen Zhongwei Testing Technology Co., Ltd.  
Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang  
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**Applicant's name** ..... : TP-Link Systems Inc.**Address** ..... : 10 Mauchly, Irvine, CA 92618**Manufacturer's name** ..... : TP-Link Systems Inc.**Address** ..... : 10 Mauchly, Irvine, CA 92618**Test specification:****Standard**..... : IEC 60825-1: 2014&IEC 60825-2:2021**Test procedure** ..... : Type Test**Non-standard test method** ..... : N/A**Test Report Form No.** ..... : IEC60825\_1G**Test Report Form(s) Originator** .... : OVE**Master TRF**..... : Dated 2021-10-05**General disclaimer:**

The test results presented in this report relate only to the object tested.

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The authenticity of this Test Report and its contents can be verified by contacting the CTNT, responsible for this Test Report.

**Test item description** ..... : 100GBASE-SR4 QSFP28 Transceiver**Trademark**..... : N/A**Model/Type reference** ..... : SM9110-SR4**Ratings** ..... : 3.3V 

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<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<b>Laboratory Name</b>	Shenzhen Zhongwei Testing Technology Co., Ltd.	
<b>Testing location/ address</b> .....:	Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China	
<b>Tested by (Test Engineer)</b> .....:	Steve Zhou	Steve Zhou
<b>Reviewed by (Supervisor)</b> .....:	Oliver Long	Oliver Long
<b>Approved by (Chief Engineer)</b> .....:	Flight Lee	
<b>List of Attachments (including a total number of pages in each attachment)</b>		
- Test data graph, Photo document		
<b>Summary of testing:</b>		
<b>Tests performed (name of test and test clause):</b> Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. According to the test of IEC 60825-1 Safety of laser products – Part 1 and IEC 60825-2: 2021 Safety of optical fiber communication systems- Part-2 Equipment classification and requirements. <b>This product complied with the requirements of Class 1.</b>	<b>Testing location:</b> Shenzhen Zhongwei Testing Technology Co., Ltd. Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China Tel: 086-755-28680489 E-mail: admin@cntnt-cert.com Web: www.cntnt-cert.com	
<b>Test item particulars</b> .....		
<b>Classification of installation and use:</b>	: <del>transportable / portable / stationary / mobile / fixed / permanently installed / hand-held</del>	
<b>Supply Connection</b> .....:	: <del>internally powered / permanently installed / appliance coupler / non-detachable cord</del>	
<b>laser Class as defined in 3.44 and 3.18 through 3.24 of IEC 60825-1:2014</b> .....:	Class 1, 1C, 1M, 2, 2M, 3R, 3B, or 4	
<b>laser output (power or energy)</b> .....:	See below	
<b>Accessories and detachable parts included in the evaluation</b> .....	N/A	
<b>Options included</b> .....	N/A	

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