

Transceiver Test Report

PN: SFPP-T-TCA5 (SFP-10G-T)

I. Test Purpose

By building realistic switch use cases, we test whether the SFPP-T-TCA5 (SFP-10G-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	SFPP-T-TCA5	25E2003393	10GBASE-T SFP+ RJ45 Copper 30m Transceiver
OPTCORE	SFPP-T-TCA5	25E2003394	10GBASE-T SFP+ RJ45 Copper 30m Transceiver

3.2 Test Equipment Used

Equipment Brand	Equipment Model	Software Version/Note
Cisco	Nexus9000 C92160YC-X chassis	07.59
OPTCORE	CAB-C6A-SFTP-PVCBL-30m	30m Cat6A Snagless Shielded (SFTP) PVC Ethernet Network Cable

IV. Test Data

4.1 Compatibility Test

Test Data	 <pre> switch# show interface transceiver Ethernet1/1 transceiver is not present Ethernet1/2 transceiver is not present Ethernet1/3 </pre>
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transceiver is not present Ethernet1/4
transceiver is not present Ethernet1/5
transceiver is not present Ethernet1/6
transceiver is not present Ethernet1/7
transceiver is not present Ethernet1/8
transceiver is not present Ethernet1/9
transceiver is not present Ethernet1/10
transceiver is not present Ethernet1/11
transceiver is not present Ethernet1/12
transceiver is not present Ethernet1/13
transceiver is not present Ethernet1/14
transceiver is not present Ethernet1/15
transceiver is not present Ethernet1/16
transceiver is not present Ethernet1/17
transceiver is present type is 10Gbase-SR name is OPTCORE part number is SFPP-T-TCA5 revision is A serial number is 25E2003393 nominal bitrate is 10300 MBit/sec Link length supported for 50/125um OM2 fiber is 82 m Link length supported for 62.5/125um fiber is 26 m Link length supported for 50/125um OM3 fiber is 300 m cisco id is 3 cisco extended id number is 4
Ethernet1/18
transceiver is not present Ethernet1/19
transceiver is present type is 10Gbase-SR

name is OPTCORE
 part number is SFPP-T-TCA5
 revision is A
 serial number is 25E2003394
 nominal bitrate is 10300 MBit/sec
 Link length supported for 50/125um OM2 fiber is 82 m
 Link length supported for 62.5/125um fiber is 26 m
 Link length supported for 50/125um OM3 fiber is 300 m
 cisco id is 3
 cisco extended id number is 4

Ethernet1/20

transceiver is not present

Ethernet1/21

transceiver is not present

Ethernet1/22

transceiver is not present

Ethernet1/23

transceiver is not present

Ethernet1/24

transceiver is not present

Ethernet1/25

transceiver is not present

Ethernet1/26

transceiver is not present

Ethernet1/27

transceiver is not present

Ethernet1/28

transceiver is not present

Ethernet1/29

transceiver is not present

Ethernet1/30

transceiver is not present

Ethernet1/31

transceiver is not present

Ethernet1/32

transceiver is not present

Ethernet1/33

transceiver is not present

Ethernet1/34

transceiver is not present

Ethernet1/35

transceiver is not present


Ethernet1/36

transceiver is not present

Ethernet1/37

	<p>transceiver is not present Ethernet1/38</p> <p>transceiver is not present Ethernet1/39</p> <p>transceiver is not present Ethernet1/40</p> <p>transceiver is not present Ethernet1/41</p> <p>transceiver is not present Ethernet1/42</p> <p>transceiver is not present Ethernet1/43</p> <p>transceiver is not present Ethernet1/44</p> <p>transceiver is not present Ethernet1/45</p> <p>transceiver is not present Ethernet1/46</p> <p>transceiver is not present Ethernet1/47</p> <p>transceiver is not present Ethernet1/48</p> <p>transceiver is not present Ethernet1/49</p> <p>transceiver is not present Ethernet1/50</p> <p>transceiver is not present Ethernet1/51</p> <p>transceiver is not present Ethernet1/52</p> <p>transceiver is not present Ethernet1/53</p> <p>transceiver is not present Ethernet1/54</p> <p>transceiver is not present</p>
<p>Test Conclusion</p>	<p>The optical transceiver was successfully recognized by the Cisco Nexus9000 C92160YC-X chassis, with all identification information accurately displayed in the outputs.</p>

4.2 Transmission Distance Test

<p>Test Conclusion</p>	 <p>In this test, SFPP-T-TCA5 (SFP-10G-T) modules were connected using 30m Cat6A SFTP PVCBL copper Ethernet cables (OPTCORE CAB-C6A-SFTP-PVCBL-30m) 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 30m Cat6A copper Ethernet link.</p>
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Appendix A. Document Revision

Version No	Date	Description
V1.0/EN	2025-12-29	Preliminary test report

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