

QSFP28 Loopback Module, 100G Passive QSFP28 Loopback Adapter, QSFP Port Tester, 100G QSFP Loopback Test Plug - MSA Compliant

**Product ID:** LOOPBACKPLUG100G



This QSFP28 Loopback Module is designed for testing 100G ports in switches, NICs, and other QSFP28-equipped devices. It supports passive electrical loopback for verifying signal continuity, link stability, and port behavior without requiring active optics.

The QSFP28 Loopback Adapter emulates 4-lane electrical testing for QSFP28 ports operating at 100Gbps, and supports 40GBASE and 100GBASE Ethernet. It is MSA compliant and meets IEEE 802.3 requirements for reliable performance and universal compatibility.

Perform electrical loopback testing for full 100G link verification. Ensure consistent signaling with 100 impedance and low jitter for stable, repeatable test results under real-world conditions.

Connect directly to QSFP28 ports on switches, routers, and NICs for inline port testing. Compact and low-power, it is an essential tool for network technicians and IT pros in data centers and edge or on-prem installations.

## Certifications, Reports and Compatibility



## Applications

- Verify signal continuity, insertion loss, and port function in fiber optic networks

## Features

- **Reliable QSFP Testing**: Create a loopback test connection with this QSFP28 passive electrical loopback module; Connects directly to QSFP28 ports for testing signal continuity and verifying electrical link integrity at 100Gbps
- **Accurate Test Performance**: Supports 28Gbps per lane across four lanes with 100 impedance for stable signal reflection; Low jitter and consistent lane performance ensure reliable test results during diagnostics
- **Built for Durability**: Optimized for multiple test cycles with a compact, low-power design; Meets IEEE 802.3 requirements and MSA compliance for universal compatibility and guaranteed performance
- **Field-Ready Design**: Compact module is ideal for technicians performing port-level diagnostics and hardware validation; Quickly confirm QSFP28 port behavior during system maintenance or troubleshooting; No optical transceiver required
- **The IT Pro's Choice**: Our network tools and testers are rigorously tested in our Innovation Lab to ensure enterprise-grade reliability and durability; Built for quick diagnostics and routine maintenance across copper and fiber networks; Backed by free lifetime 24/5 multi-lingual technical assistance

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#### Hardware

Warranty	2 Years
Active or Passive Adapter	Passive
Industry Standards	IEEE 802.3ba 40GBASE-SR4 IEEE 802.3ba 40GBASE-LR4

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#### Connector(s)

Connector A	1 - QSFP28
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#### Environmental

Operating Temperature	-40C - 75C (-40F to 167F)
Storage Temperature	-40C - 75C (-40F to 167F)
Humidity	N/A

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#### Physical Characteristics

Color	Silver
Material	Metal and Plastic
Product Length	5.0 in [126 mm]
Product Width	0.7 in [18.8 mm]
Product Height	0.5 in [13.3 mm]

Weight of Product	1.3 oz [38 g]
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**Packaging Information**

Package Length	0.8 in [2.0 cm]
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Package Width	3.7 in [9.5 cm]
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Package Height	0.6 in [1.5 cm]
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Shipping (Package) Weight	1.6 oz [46.0 g]
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**What's in the Box**

Included in Package	1 - QSFP28 Electrical Loopback Plug
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***\*Product appearance and specifications are subject to change without notice.***