

Smart SFP Ethernet Tester

Turn any SFP slot into a traffic generator



Smart SFP Ethernet Tester is equipped with all the features of handheld testers such as BER, RFC 2544 and Y.1564. It can generate and analyze traffic up to 10 Gbps to test Ethernet/IP devices and networks.

Smart SFP can also operate as Smart Loopback – incoming traffic is looped back with MAC/IP/Ports swapping if needed.

It can be used for QA testing of Ethernet products, such as stress testing under different environmental conditions, as well as functionality testing.

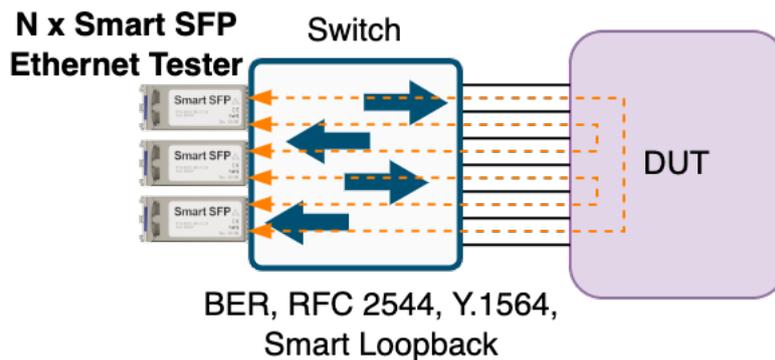
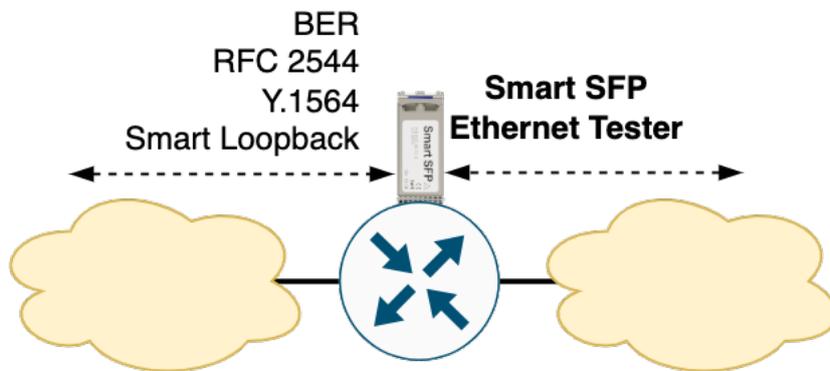
Easy-to-use and flexible CLI and API interfaces allow test suites to be designed to meet any requirement.

Applications:

- Device testing
- Performance validation
- Service Activation Tests
- QA automation
- Production line testing

Key features:

- RFC 2544
- Y.1564
- BER
- VLAN and MPLS
- Smart Loopback L2-L4
- API



Tester:

- BER
- Traffic generator
- RFC 2544
- Y.1564, 4 streams, 1-way, 2-way
- Line-rate performance
- Jitter measurements
- 1-way and 2-way
- Symmetrical and asymmetrical
- Reports

Smart Loopback:

- MACs, IPs and TCP/UDP ports swap
- Persistent, on-demand, by filter
- Condition: own MAC dst or by filter
- Filter by fields: VLAN ID, IP src/dst, TCP/UDP src/dst ports
- 12 filters on each port
- Redirect packets to another MAC/IP (headers rewrite)
- TWAMP Light at line rate (HW offload)
- Smart Loopback and TWAMP Light on behalf of another device (another MAC dst)
- Statistics

Management:

- CLI over SSH, SNMP, REST API
- Static IP, DHCP
- IPv4, IPv6, VRF
- Loaned IP
- VLAN
- ACL, VPN
- PTP slave, NTP client
- Remote software upgrade

General:

- 1/10 Gigabit Ethernet
- Max frame size 9600 bytes
- Up to 3 VLAN tags and MPLS labels
- Inline or out-of-line installation
- Digital Diagnostics Monitoring (DDM)
- SFP/SFP+ MSA compliant
- Multi-vendor compatibility
- Industrial temperature

Ordering information**Models:**

Intelligent SFP module, ARM CPU, FPGA, Gigabit Ethernet, 1000BASE-LX, DDM, 1310 nm, 20 km, 2xSMF, LC

Intelligent SFP module, ARM CPU, FPGA, Gigabit Ethernet, 10/100/1000BASE-T, RJ-45

Intelligent SFP module, ARM CPU, FPGA, 1/10 Gigabit Ethernet, 10GBASE-LR, DDM, 1310 nm, 10 km, 2xSMF, LC

Feature sets:

Loaned IP, PTP, Smart Loopback, BER, RFC 2544, Y.1564

Find out more: plumspace.com, info@plumspace.com

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