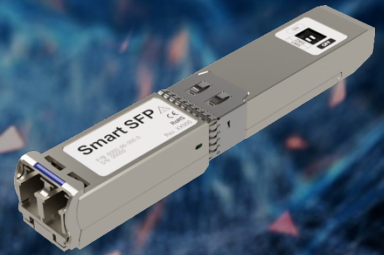# PlumSpace

Smart SFP Loopback Lite

Baseline network troubleshooting

Smart SFP Loopback Lite is a device in SFP form factor for loopback traffic at Layer 2 of the OSI model (Data link).

Incoming traffic is looped back with MAC addresses swapped.

Smart SFP is installed in any network device with an SFP slot and acts simultaneously as both a standard SFP module and Smart Loopback.
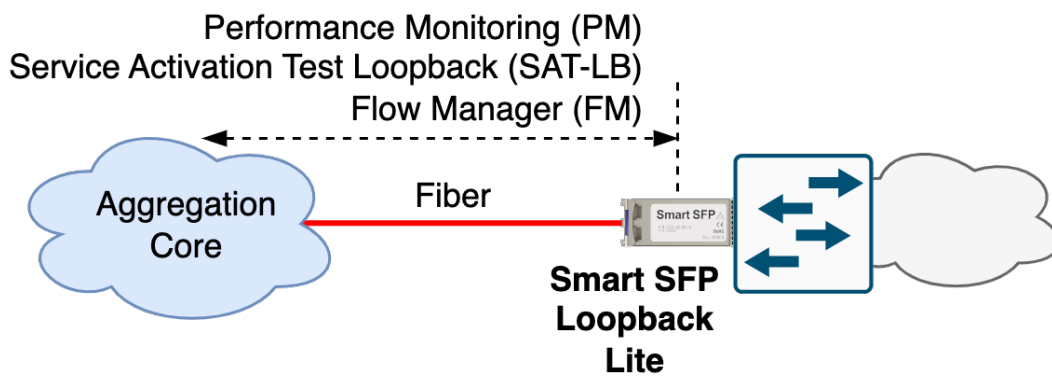
Smart SFP Loopback can be used as a remote loopback with Ethernet test and measurement equipment from any vendor.
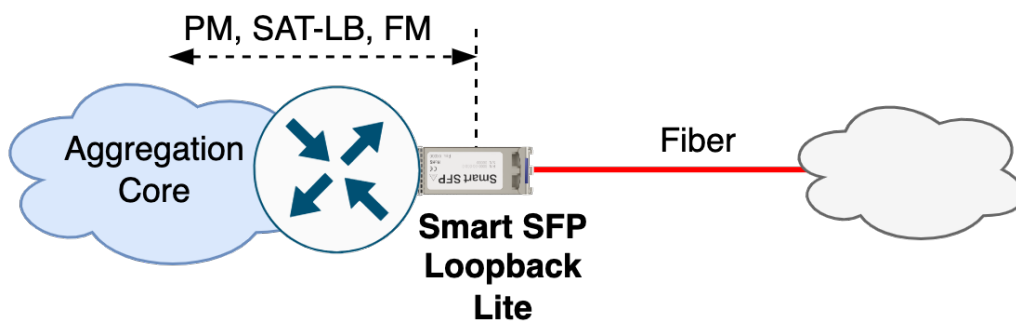
Applications:
- Responder for Service Activation Tests
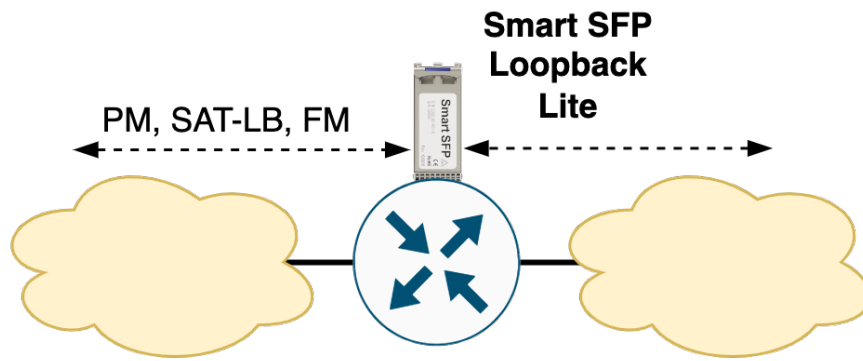- Performance analytics
- On-demand testing

Key features:
- Smart Loopback L2
- Loopback by filters
- TWAMP
- Compatible with testers of any vendor

Performance Monitoring (PM)
Service Activation Test Loopback (SAT-LB)
Flow Manager (FM)

In-line installation at remote site

In-line installation at aggregation/core site

Smart SFP Loopback Lite

PM, SAT-LB, FM

Out-of-line installation at any point in the network

Smart Loopback:
- MACs swap
- Persistent and on-demand
- Condition: own MAC dst or by filter
- Filters with mask by fields: VLAN ID, MAC src/dst, IP src/dst, TCP/UDP src/dst ports
- Statistics
- Compatible with testers of any vendor

Flow manager:
- Actions by filters
- Actions: stat, drop, pass
- Filter with mask by fields: VLAN ID, IP src/dst, TCP/UDP src/dst ports
- Statistics

Performance monitoring:
- TWAMP sender and responder
- iPerf

Management:
- CLI over SSH
- Static IP, DHCP
- IPv4, IPv6, VRF
- VLAN
- ACL, VPN
- PTP slave, NTP client
- Remote control from IP/Ethernet testers
- LED status indicator
- Remote software upgrade

General:
- 1/10 Gigabit Ethernet
- Max frame size 10000 bytes
- Inline and out-of-line installation
- Digital Diagnostics Monitoring (DDM)
- SFP/SFP+ MSA compliant
- Multi-vendor compatibility
- Industrial temperature

Ordering information
Intelligent SFP module, MIPS CPU, Ethernet switch, 1/10 Gigabit Ethernet, DDM, 1310 nm, 10 km, 2xSMF, LC
Intelligent SFP module, MIPS CPU, Ethernet switch, 1/10 Gigabit Ethernet, Out-of-line

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

We are open for partnership