



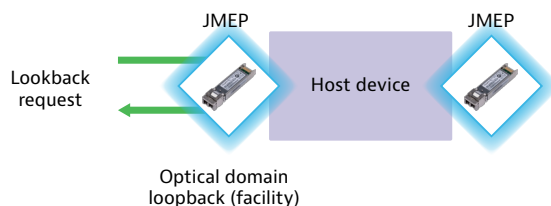
JMEP Companion Deployment Model

The JMEP micro Ethernet probe provides both temporary and permanent solutions for service activation testing (SAT) such as Y.1564 and performance monitoring such as TWAMP. Out-of-the-box support for Viavi test protocols means it works seamlessly with the T-BERD®/MTS family of portable testers. These JMEPs are not only useful for SAT—they can remain in the network and be activated as remote monitoring points for testing or troubleshooting to support network expansion and monitor network performance.

The JMEP is an intelligent Gigabit Ethernet small form factor (SFP) module that can be placed in host devices like switches and NodeBs. It powers up like a standard SFP, immediately providing transmission service but with added test features active and ready for any request.

Unlike a standard SFP, the companion JMEP incorporates Viavi Solution's award-winning test and monitoring technology. It provides network operators with remote points of testability which enable performance-assured service delivery, increasing the value of existing network infrastructure.

The JMEP interfaces seamlessly with T-BERD/MTS testers, operating as a test reflector for turn-up, troubleshooting, and maintenance. The JMEP can be installed anywhere in the network and the T-BERD/MTS can initiate tests to that network point. Once deployed, network maintenance can be performed remotely with one technician operating the T-BERD/MTS from another location. And, the SmartDispatch feature reduces costly, repeated dispatches that can occur in a complex or problematic deployment situation.



Key Benefits

- Turns any 1 Gigabit Ethernet network port into a service-assurance tool enabling Ethernet operation, administration, and maintenance (OAM)
- Supports both testing and operations
- Provides a cost-effective, permanent, and remote test point to leave in the network after service activation for future troubleshooting
- SmartDispatch™ reduces dual-technician dispatches while providing remote testing flexibility

Key Features

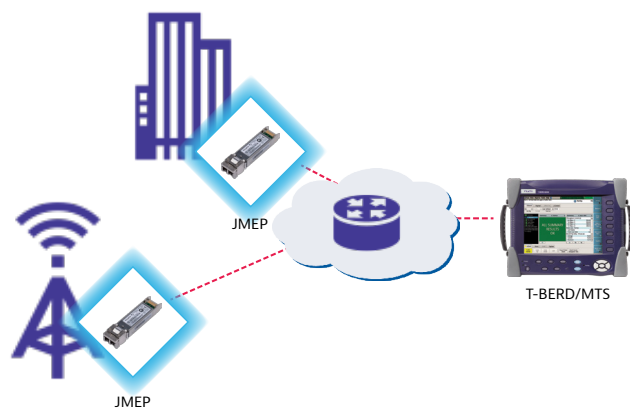
- Operates as a standards compliant SFP transceiver
- Interfaces seamlessly with T-BERD/MTS test equipment, providing an end-point reflector for SAT and maintenance tests
- Supports RFC2544 or Y1564. Layer 2 or Layer 3 SAT as well as Y.1731 and TWAMP for SLA compliance monitoring
- Available in many variants (1310 nm, 1550 nm, Cu (RJ45), BiDi) to meet deployment requirements
- Companion JMEPs are available in a standard 5-pack with four 1000BASE-LX and one 1000BASE-T transceivers

In a leave-behind configuration, the JMEP is available at any time to support RFC 2544 or Y.1564, Layer 2 or Layer 3 SAT, as well as Y.1731 and TWAMP performance monitoring for SLA compliance. The JMEP also supports carrier Ethernet features such as MEF CFM, link CCM, and ICMP ping.

JMEPs can be managed via a Windows-based GUI (Intelligent Device Manager) or the EtherASSURE management system.

JMEP Options

Option	Function
Intelligent Device Manager	Windows 7/8-based GUI for remote management of JMEP probes including test activation
JMEP activation key	Enables enhanced JMEP features or support from IDM platform
JMEP test license	Enables fully-functional RFC2544 reflector and VLAN-based Y1564 testing
JMEP performance monitoring license	Activates Y.1731 initiator and reflector and TWAMP reflector
MA-100 small media adaptor	Dual-port network demarcation device



Typical companion JMEP deployment



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