



MPX100

Intelligent Ethernet Test Probe

2008 Global Test & Measurement
Emerging Company of the Year Award

Next Generation of Metro and Carrier Ethernet Testing System

VeEX MPX100 Metro Probe Expert system is the next generation of Metro and Carrier Ethernet test system for Ethernet Networks carrying Voice, Data and Video. The MPX100 probes are deployed at strategic network demarcations or customer locations where network service and performance assurance are critical. MPX100s are remote controlled via internet connection to the ReVeal MPX server to perform loopbacks, scheduled or on-demand point to point measurements, and in service monitoring. The MPX100 works with the VePAL MX100 and MX120 Handheld Ethernet Test Set for loopback control and on-demand point to point testing.

Key Features

- All-in-one Ethernet, Gigabit Ethernet, and Fiber Channel testing
- Throughput, latency, frame loss, and back-to-back RFC 2544 measurements
- RFC 2544 Asymmetric mode for testing over asymmetric services like ADSL
- User defined thresholds for accurate SLA assurance
- Ethernet BER testing at layer 1, 2, 3, and 4, with or without VLAN and MPLS tags
- Fiber Channel FC-1 and FC-2 BERT with buffer-to-buffer credit and header configuration
- Multiple stream generation and analysis for QoS verification of multiple services
- Traffic Flooding feature for stress testing applications
- Q-in-Q VLAN stacking capability with up to three VLAN tags
- MPLS stacking capability with up to three MPLS labels
- Smart Loop mode for layer 1, 2, 3, and 4
- VLAN scan feature and traffic monitor for VLAN configuration verification and top bandwidth users visibility
- IEEE 802.3ah OAM device discovery and loopback control support
- Intelligent device discovery mode; discover other MPX100, MX100 and MX120 on the network for quick and easy loopback control or asymmetric mode control
- Remote control through dedicated 10/100-T Ethernet port
- RS232C supervisor port for MPX100 configuration

ReVeal MPX Server

- Remote control of MPX100 for on-demand measurement, loopback control, and in-service monitoring
- Programmable scheduled measurement
- Test profiles and scripts for automated testing
- Test results saving for future analysis and customized reporting generation
- Simultaneous control of multiple MPX100s
- In-service monitoring with user programmable alarm thresholds
- Alarm detection and generation by sending emails to maintenance staff