800/400/100G Ethernet

VeEX® offers a comprehensive suite of tools designed to ensure quality of experience (QoE) and quality of service (QoS), while streamlining the deployment and maintenance of Ethernet networks. From installers, service providers, equipment manufacturers to data centers VeEX's compact, field portable and rackmount solutions offer flexibility of testing current interfaces up to 800G, and supporting future expandability for applications including Transport, Aggregation, cross-connect, 5G x-haul, and NEMs field support.

Lab-to-Field Test Solutions

RXT® Modern Modular Test Platform

As the industry's most flexible, compact, and future-proof hand-held test solution, the RXT® family of modules offer a full range of link and service testing capabilities, from Core to Access, from Lab-to-Field and from 64k to 800G, with a complete range of communication technologies, including eCPRI, CPRI/OBSAI, OTN, SDH/SONET, PDH/DSn, Carrier Ethernet, SyncE, 1588v2 PTP, Fibre Channel, OTDR, OSA. All supported by a single rugged hand-held test platform.

RXT-6802 / RXT-6811 — Advanced Dual 800G Multi-service Test Modules

- Portable Dual 800GE to 1GE Test Solutions
- Native 800G OSFP and/or QSFP-DD800, 400G QSFP-DD, QSFP112/56/28/+, SFP-DD, SFP56/28/+
- 800GE IEEE and ETC

- 800GE, 2x400GE, 4x200GE, 2x200GE, Nx100GE
- 800G and 400G ZR+
- Transceiver and AOC/AEC/DAC Testing
- FEC and BER Signal Integrity Testing

RXT-6402 / RXT-6402 Lite — Advanced Dual 400G Multi-service Test Modules

- 2x400GE concurrent testing capabilities
- Dual ports for all pluggable optics form factors, required for AOC/DAC, fan-out and wrap-around tests (from 10M to 400GE)
- Up to four concurrent and independent tests
- Native QSFP-DD, QSFP56, SFP-DD, and SFP56 PAM4 hardware (no adapters required)

- Supports testing for all common form factors, including QSFP-DD, QSFP56, SFP-DD, and SFP56 transceivers, DACs,AOCs, network equipment and 400GE links
- Supports 400GE interfaces, including 400GBASE-SR8, FR8, LR8, DR4, FR4, LR4, CR8, CR4 and 400ZR/ZR+
- Complete industry-standard Ethernet link test feature set for Layers 2, 3 and 4

Supported Test Interface (Ports)	RXT-6802	RXT-6811	RXT-6402	RXT-6402 Lite
OSFP		1		
QSFP-DD800	2	1		
QSFP-DD	2	1	2	2
QSFP112/56/28	2	1	2	2
QSFP+	2	2	2	2
SFP-DD/56/28	2	2	2	2
SFP+/SFP	2		2	
RJ45	2		2	
RJ48 + 3xSMA	1		1	

RXT-6200 — 100G Universal Test Module

- CFP4 and QSFP28 interfaces for 100GE, OTU4 and 50GE applications
- Independent Dual-Port testing, up to 2x 112G
- Supports IEEE 802.3bj Clause 91 RS-FEC
- QSFP+ for 40GE, OTU3
- SFP28 for 25GE, 32G FC, CPRI up to 24.330G (CPRI 10), 25G eCPRI

- SFP+ for 10GE/1GE/100M, OTU2/2e/1e/1, STM-64/16/4/1/0, OC192/48/12/3/1, and Fibre Channel 16/10/8/4/2/1G and CPRI up to 12.165G (CPRI 9) and 10G eCPRI
- Electrical interfaces for legacy 10/100/1000M, SDH/SONET and PDH/DSn testing

800/400/100G ETHERNET

Rackmount Test Solutions MPA® Series

The MPA Multi-Protocol Analyzer series are advanced packet optical transport traffic generation and analysis platforms specifically designed for the testing challenges of R&D, SVT, production and interoperability lab environments.

MPA Series Platform Highlights
- 800G to 10Mbps simultaneous and independent Multi-Port & Multi-User testing
- Modular and field-maintainable platforms designed for 24x7 operation
- Modern & intuitive HTML5 Web UI remote
- Test automation including Python API and SCPI CLI
- Pay-As-You-Go platform allowing test modules to easily be added on site

MPA Series Test Applications
- Line-side and client-side interfaces
- ZR, OpenZR+ and OpenROADM pluggable DCO; LPO, LRO, AOC & DAC
- High powered DCO plug & AOC/DAC interop and benchmarking
- Ethernet/IP, OTN, SDH/SONET and Fibre Channel interfaces
- FEC/PCS, MAC/Ethernet/IP throughput, RFC2544, & SDT
- Mulit-lane unframed BERT, PRBSQ, PAM4 and NRZ pattern testing

MPA-HD High Density Test System - 8x 800/400/100G Test Ports per Chassis

Platform Highlights
- 3U x 19" rack mounted or benchtop chassis
- Supports up to 4 pluggable test modules
- Efficient front-to-back cooling for high powered and future applications

MPM-HD-802 Dual Port 800G Test Module with QSFP-DD800 Ports

- 800GE, 400GE, 200GE, 100GE & Breakout applications
- Supports QSFP-DD800, QSFP112, QSFP-DD, QSFP56, & QSFP28

MPM-HD-822 Dual Port 800G Test Module with OSFP800 Ports

- 800GE, 400GE & Breakout applications
- Supports OSFP800 & OSFP
- Available with internal heat sink or riding heat sink cages

MPA® Multi-Protocol Analyzer Multi-Port 400G to 10 Mbps Testing

Platform Highlights
- Compact 1U x 19" rack mounted or benchtop chassis
- Supports up to 6x pluggable test modules
- Small size and power footprint

MPM-400AR™ Dual Port 400GE QSFP-DD Test Module

- 2x QSFP-DD, 2x QSFP56 & 2x SFP56 ports
- Dual port 400GE, 200GE, 4x100GE, 100GE, 50GE, 4x25GE, 25GE, 4x10GE, 10GE & OTU4; Single Port 8x50GE
- FlexE 400GE, 200GE, 100GE QSFP PHY testing with client up to 400G
- 400/200/100G FlexO options

MPM-400DCO™ Dual Port 400G CFP2-DCO & QSFP-DD Test Module

- 400G CFP2-DCO and QSFP-DD dual port testing
- 400GE, 200GE, 4x100GE, 100GE, 8x50GE, 50GE, 4x25GE, 4x10GE & OTU4
- FlexE 400GE, 200GE, 100GE QSFP PHY testing with client up to 400G
- 400/200/100G FlexO options

MPM-100AR 100G QSFP28 Test Module

- 100GE, 100GE KR RS-FEC & 40GE
- Dual port 10/25/25G RS-FEC
- OTUCn (n=1-6), OTU4, OTU3, OTU3e1, & OTU3e2
- Dual port OUT2, OTU2e & OTU1e
- STL256.4 STM256/OC768
- Dual Port 10/16/32G Fibre Channel

MPM-600G 6x Port 100G QSFP28 Test Module

- 100GE, 100GE KR RS-FEC & 40GE
- OTUCn (n=1-6), OTU4, OTU3, OTU3e1, & OTU3e2
- FlexE testing using 1 to 4 100GE QSFP28 PHYs with client rate to 400G; shim/calendar overhead, and MAC layer control/testing

The Verification Experts

www.veexinc.com