VeEX
The Verification Experts

800/400/100G Ethernet

PRODUCT CATALOG

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-6800 800G Multi-service Test Module

- Smallest 800G field portable test solution
- 1.5 Mbps to 800G testing in a single test module
- 800G PCS/FEC
- 800G, 2x400GE Test Mode
- 800G, 8x100GE Test Mode
- Native 800G QSFP-DD800, 400G QSFP-DD, SFP-DD, SFP56/28/+, QSFP28/56
- Single 800GE & Dual Port 400GE operation

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

- 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-6402	RXT-6402 Lite
2x QSFP-DD	●	●
2X QSFP56/QSFP28/QSFP+	●	●
2x SFP-DD/SFP56/SFP28	●	●
2x SFP+/SFP	●	●
2x RJ45	●	--
1x RJ48 and 3x SMA	●	--

RXT-6200 100G Universal Test Module

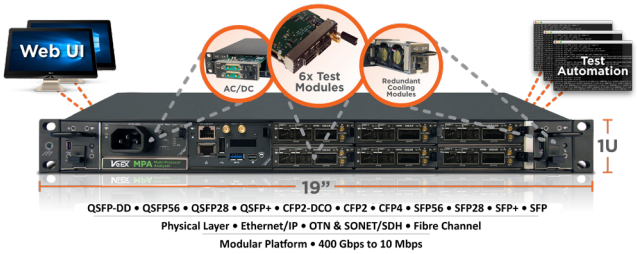
- CFP4 and QSFP28 interfaces for 100GE, OTU4 and 50GE applications
- Independent Dual-Port testing, up to 2x 112G
- Supports IEEE 802.3bj Clause 91 RS-FEC
- QSFP+ for 40GE, OTU3
- SFP28 for 25GE, 32G FC, CPRI up to 24.330G (CPRI 10), 25G eCPRI
- SFP+ for 10GE/1GE/100M, OTU2/2e/1e/1, STM-64/16/4/1/0, 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® Multi-Protocol Analyzer

The MPA Multi-Protocol Analyzer is an advanced packet optical transport traffic generation and analysis platform specifically designed for the demands of R&D, SVT, and manufacturing testing environments. The MPA modular platform provides simultaneous independent multi-port testing from 400 Gbps to 10 Mbps for Ethernet/IP, OTN & SDH/SONET and Fibre Channel.



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

- 400G CFP2-DCO and QSFP-DD ports
- 400GE, 200GE, 4x100GE, 100GE, 8x50GE, 50GE, 4x25GE, 4x10GE & OTU4
- FlexE 400GE, 200GE, 100GE QSFP PHY testing with client up to 400G
- Coherent ZR/ZR+ transceiver support with laser tuning, optical power adjustments and PM statistics
- CFP2 and QSFP-DD ports support both PAM4 and NRZ modes
- Dual independent port operation
- Advanced MDIO and I2C applications including external control for transceiver module debug
- Comprehensive FEC layer validation including symbol error per codeword analysis
- MAC/Ethernet/IP/UDP layer throughput and traffic verification
- Multi-Lane Unframed BERT/PRBSQ, SSPRQ PAM4 and NRZ pattern testing

MPM-400AR Dual Port 400GE QSFP-DD PAM4 Test Module

- 2x QSFP-DD ports, 2x QSFP56, & 2x SFP56 ports support both PAM4 and NRZ modes
- 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
- Coherent ZR/ZR+ transceiver support with laser tuning, optical power adjustment and PM statistics
- Independent port operation provides support for various types of network aggregation/wrap test applications
- Transceiver and cable testing with I2C read/write capability
- Comprehensive FEC layer validation including symbol error per codeword analysis
- MAC/Ethernet/IP/UDP layer throughput and traffic verification

- Multi-Lane Unframed BERT/PRBSQ, SSPRQ PAM4 and NRZ pattern testing

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

- QSFP28-based module supports six independent 100G/40G Ethernet or OTN transport tests
- The MPA platform supports up to two MPM-600G modules, providing up to 12x 100G test ports
- 100GE, 100GE IEEE 802.3bj Clause 91 RS-FEC for SR4, & 40GE
- OTUCn (n=1-6), OTU4, OTU3, OTU3e1, & OTU3e2
- Flex Ethernet (FlexE) traffic generation and analysis with 100GBASE-R PHY, shim/calendar overhead, and MAC layer control/testing
- FlexE testing using 1 to 4 100GE QSFP28 PHYs with client rate to 400G

MPM-100AR 100G Multi-Protocol Test Module

- 100GE, 100GE IEEE 802.3bj Clause 91 RS-FEC for SR4, & 40 GE
- Dual port 10/25/25G RS-FEC Ethernet
- OTUCn (n=1-6), OTU4, OTU3, OTU3e1, & OTU3e2
- Dual port OTU2, OTU2e & OTU1e
- STL256.4 STM256/OC768
- Dual port 10/16/32G FEC Fibre Channel
- CPRI Unframed L1 BERT 24.33024G
- QSFP28 and dual SFP28 ports

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