

B3 800G 4-port and 8-port Appliances

QSFP-DD and OSFP Test Platforms

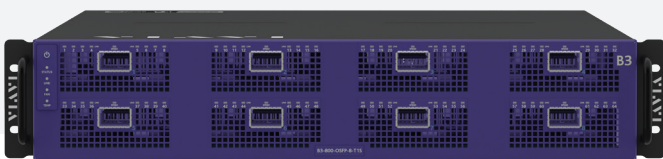
800/400/200/100/50G

Network bandwidth needs continue to grow at a rapid pace in the AI era. Network equipment manufacturers are developing highly flexible multi-rate products to support the latest generation of High-Speed Ethernet devices. AI data centers, Hyperscalers, Neo-clouds, and Service Providers are deploying multi-rate networking infrastructure solutions to meet this growing demand.

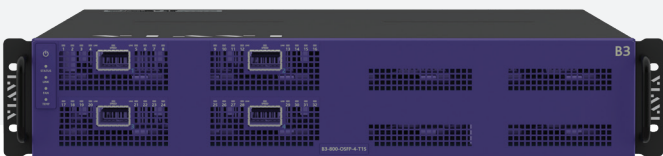
With these multi-rate requirements, customers demand higher density test equipment. Flexibility is needed to validate the next generation of routers and data center fabrics.

B3 4-port and 8-port QSFP-DD and OSFP 800G appliances were developed to meet these specific needs with its industry-leading 2x density advantage for QSFP-DD and OSFP providing up to 6.4 Tbps of test traffic. B3 appliances support 1x800G, 2x400G, 4x200G, and 8x100G in 112Gbps PAM4 modes in line with Ethernet Technology Consortium 800GBASE-R, IEEE 802.3ck and 802.3df 800GBASE-R, and 1x400G, 2x200G and 8x50G in 56Gbps PAM4 mode per IEEE 802.3cd and IEEE 802.3bs to help validate these deployments.

These appliances support Auto Negotiation and Link Training (AN/LT) in line with IEEE 802.3df for all the supported speed modes and Smart Port Technology, a licensed feature that allows single port and speed upgrades for maximum value and flexibility.



B3 800G 8-Port Appliance



B3 800G 4-Port Appliance

Key Features

- Highest-density 800G High-Speed Ethernet solution, with flexible port speeds supporting 1x800G, 2x400G, 4x200G, 1x400G, 2x200G, 8x100G, and 8x50G PAM4
- Advanced Ethernet standards support, including RS-FEC, Auto Negotiation (AN), and Link Training (LT) per IEEE 802.3df
- AI infrastructure testing support for RoCEv2, CCL, and Ultra Ethernet Transport (UEC 1.0), including transport and link-layer LLR testing
- Comprehensive protocol testing for L2/L3 routing and switching, data center applications, and Autonomous Flow Tracking (AFT) on 8-port modules
- AI-powered test automation with TestCenter MCP Server, part of VIAVI's NITRO® AI portfolio, providing a natural-language interface for test configuration, execution, and analysis

Key Benefits

- Industry's first and highest-density QSFP-DD and OSFP test platform, enabling high-scale testing across a wide range of services
- AI infrastructure validation at scale with real-world AI workloads and test scenarios to assess network performance, resiliency, and next-generation data center environments
- Comprehensive Layer 1 debug capabilities, including RS-FEC performance analysis and interconnect monitoring
- Broad connectivity support for optical transceivers, Active Optical Cables (AOC), passive copper cables (DAC), and active electrical copper cables (AEC)

Applications

AI Data Center — Provides comprehensive and high-scale GPU and NIC emulation for the testing and assessment of AI back-end fabrics, GPUs, AI accelerators, and AI NICs using full stack RoCEv2 transport and Ultra Ethernet Transport (UET), with AI workload emulation at scale.

- **AI Workload Testing** — Emulates up to 8 GPUs and NICs per port and supports a comprehensive series of native CCL algorithms, mixed CCL algorithms and LLM training traffic emulation: Chat GPT, llama, DeepSeek, RestNet, and AlexNet at production level scale.
- **CCL Performance Modeling** — The Automatic Benchmark tool greatly simplifies performance setup enabling each port to simultaneously generate CCL workload and background traffic, creating realistic, complex test scenarios.
- **RoCEv2 Transport** — supports 4K Queue Pairs (QP), RC and UD mode of transport and precise DCQCN and congestion control validation.
- **UEC Support** — Validate next-generation Ethernet with UET support, featuring stateful Transport and Link Layer emulation, including Link Layer error insertion, congestion avoidance, congestion control, and a dedicated conformance test suite, with over 50 built-in test cases available to validate implementations against the UEC 1.0 specification.
- **Extensive AI Test Metrics** — for AI Fabric benchmarking and network impact validation statistics include: JCT, Tail Latency (P95/P99/P99.9), RTT, Retransmission Rate, Packet Loss, Out of Sequence, Packet Rate, Packet Latency, load balancing validation and performance isolation.

Cloud Computing/Streaming Services — Validate data plane QoS on thousands of flows at line rate and test complex routing, data center and access protocols on switches and routers.

Data Center ToR and EoR Switches and Fabrics — Validate forwarding performance, latency, MAC capacity and functional capabilities of ultra-high-scale, multi-terabit cloud data center fabrics.

Chipset Verification — Accelerate chipset and silicon verification at 800Gbps, multi-speed Ethernet validation and repeatable Layer 2-3 test coverage for next-generation switching, routing, and AI fabric silicon

Terabit Routers — Test latest generation of core routers with high-scale, multiprotocol topologies.

Full L2-3 Testing — Validate and optimize Layer 2-3 network infrastructures with comprehensive testing for routing, switching, MPLS, multi-cast, SDN, SD-WAN, and more including a complement of RFC tests: RFC 2544, 2889, 3918, 8239, 6349, ensuring performance, scale, resiliency, and service readiness.

Productivity

- Accurate Results – Purpose-built hardware delivers repeatable test execution and precise statistics
- User definable Health Indicator views provide real-time health monitoring and error isolation capability that allows engineers to accurately and quickly pinpoint errors, even in the most complex test configurations. Customizable Time Series charts, overlaid with Events, provide correlation between real-time metrics and system events, allowing rapid debugging of problems and accelerating development
- TestCenter Model Context Protocol (MCP) Server – Part of VIAVI's NITRO® AI portfolio, this framework lets AI agents configure, execute, monitor, and analyze TestCenter tests via natural language greatly increasing user productivity
- High performance database underneath a modern web UI processes billions of real-time results to validate tests, identify problems, and provide customizable reports
- Delivers more results with tight correlation, and more information to find those obscure bugs. With more coverage and more information, VIAVI answers questions faster, and in a single test run, where multiple runs are necessary with other test tools
- Interesting streams use real-time results data mining to dynamically filter through mountains of data and display the results that matter
- Powerful automation with Command Sequencer (Visual Programming) and GUI to Script empowers the test operator to:
 - Construct sophisticated, stressful, automated test cases without programming experience
 - Combine numerous individual test cases into a single run to save regression test time
 - Develop a catalog of broad automated test cases in a fraction of the time
 - Export automated test cases to run from a command line for headless test execution that can be integrated with any automated regression system

Extensive, Flexible Reporting

Real-time statistics for critical variables across all protocols.

Enhanced Performance with XStream

XStream mode raises traffic generation and protocol scale capabilities to meet future increases in routing and switching testing needs, further protecting your investment in B3 Appliances. XStream mode offers increased traffic and statistic features needed for testing high-performance network products. For more details about features and use case, please contact your VIAVI Sales representative with any questions.

Autonomous Flow Tracking (AFT)

Enables customers to test and monitor massive volumes of network flows through their devices or systems under test (DUT/SUT). AFT supports highly complex flow tracking use cases that were previously impossible with traditional stream-based testing statistics, such as BGP Route import scenarios. AFT mode tracks flows based on L2/L3 and L4 header fields, including VLAN ID, MPLS, SRv6 SID, IPv6 address, and more.

Technical Specifications

Product Feature	Description
B3 800G Appliance	
MSA Interface	QSFP-DD800, OSFP800
Line Clocking and Packet Time-Stamping	Stratum-3 rated oscillator is the default time source. Transmit line clock is at the precise nominal Ethernet rate $\pm < 1$ PPM on initial shipment. Accurate to ± 4.6 PPM 15 years of operation. • Frame time-stamp resolution of 2.5ns • GPS and CDMA-based external time sources are supported • IEEE 1588v2 and NTP packet-based external time sources are supported • TIA/EIA-95B-based external time sources are supported
Appliance Time Synchronization	Appliance features • VIAVI-patented self-calibrating inter-chassis timing chain using dedicated port on appliance • Appliance delivers precise synchronization ± 20ns • Ability to daisy chain up to 255 appliances for large density testing • Synchronization via external GPS or CDMA network • Using IEEE 1588 or NTP packet-based approaches • With TIS/EIA-95B timing inputs
Operating Temperature Range	Supported for 41° F to 86° F (5° to 30° C) ambient temperature. 20% to 80% relative humidity.
Max Power Draw	Maximum 2100W at 100-240 VAC
Product Dimensions	29.5 in D x 17.1 in W x 3.5 in H (74.9 cm x 43.4 cm x 8.9 cm)
Product Weight	Unit installed weight: 4-port appliance 53 lb. (24.0 kg) 8-port appliance 57 lb. (25.85 kg)

TestCenter Layer 2-3 Generator and Analyzer

Number of Streams	Default Mode: • Stats/Streams (Tx/Rx): 800G (4K/32K), 400G (16K/32K), 200G (8K/16K), 100G (4K/8K), 50G (2K/4K) • Stats/Streams (Tx/Rx): 32K/32K for 800G, 400G, 200G, and 100G mode enabled by the XStream mode
Number of Paths/Raw Streamblocks	127 (800/50G), 511 (400/200G), 255 (100G); 511 (800/400/200/100G) enabled by XStream mode
Frame Transmit Modes	Port based (rate per port), stream based (rate per stream), burst, timed, random frame size with unique seed
Min/Max Frame Size (w/CRC)	64-16383
Min/Max Tx Rates	1 packet per 1.37 seconds to 101% of line rate
Real-Time Tx Stream Adjustments	Change rate and frame length settings without stopping the generator or analyzer for truly interactive, cause and effect analysis

Technical Specifications continued

Product Feature	Description
Per-Stream Statistics Analyzed in Real Time	- Tx and Rx frame counts and rates - Tx and Rx Layer 1 byte counts and rates - FCS errors and rates - Min, Max, and Average Latency (32K streams) - Real Time Dropped Frame count - Advance Sequence Tracking: Duplicate, reordered, late, and inordered
Flow Control	Support Priority Flow Control
Per-Port Statistics Analyzed in Real Time	- Tx and Rx frame counts and rates - Tx and Rx Layer 1 byte counts and rates - PRBS errors - FCS errors and rates
Transmit Timestamp Resolution	800G: 2.5 ns Tx timestamp resolution with intra-chassis and inter-chassis synchronization
Supported Encapsulations	- Layer 2: Ethernet II, 802.1Q, 802.1ad - Layer 3/4: IPv4, IPv6, TCP, UDP
Supported Tx Signature Capability	Fully compatible with VIAVI hardware; contains sequence number and highly accurate timestamp
Capture Buffer Size	1.28 MB per port (MAX)
Capture Buffer Controls — TestCenter's Unique Capture Capability Allows Maximum Effectiveness When Debugging Hard to Find Hardware or Protocol Problems	- Several modes of operation include: Filter by protocol fields, Filter by byte offset and range; store full-frames; store full frame with signature; store Tx/Rx control plane with data plane; real-time mode for control plane traffic; wrap or stop buffer at end - User defined pattern definitions can logically combine 8 filters of up to 32 total bytes - Patterns can be applied to start, filter (quality), or stop capture - In addition to user-patterns, filtering, starting, and stopping capture contains the following pre-defined events: FCS, IPv4 checksum, and TCP/UDP/IGMP checksum; under-size, oversize, jumbo, and user-defined frame length; IPv4, and IPv6 packets; test signature present and test stream ID match. Each event can be independently set to ignore, include or exclude. - Support UDC (user-defined counters), Capture byte offset mode, and Capture pattern matching
Latency Modes	Benchmark tests support LIFO, LILO, FIFO or FILO latency calculation methods
Route Insertion Table (RIT) Entries per Port	128K (800/400/200G), 64K (100G), 32K (50G) 4-byte entries for dynamic label or random IP/MAC address assignments 1M (800G), 256K (200/100G) 4-byte entries as primary table, and a secondary 64K (400/200/100G) entries table for dynamic label or random IP/MAC address assignments. Enabled by XStream.

Technical Specifications continued

Product Feature	Description
RIT or List VFD Entries per Stream	• 8 RIT insertions per stream (800/400/200/50G) • 6 RIT insertions per stream (100G) • 4 VFD insertions per stream for all supported speeds
AI Testing	
GPU/NIC Emulation	• 8 GPUs / NICs emulated per port
CCL Traffic Patterns	• AlltoAll with PXN • All to ALL without PXN • RingAllReduce • Halving and Doubling • Dual Tree • RingReduceScatter • RingAllGather • Alternating Ring • Point to Point • Mixed Traffic Patterns and Background Traffic
LLM Model Emulation	Chat GPT, llama, DeepSeek, RestNet, and AlexNet to emulate training traffic models
RoCEv2 Configuration	• RoCEv2 profile applied per port • Up to 4K Queue Pairs per port • RC and UD transport mode • DCQCN congestion control • Traffic mode – Continuous and Bursty • Full Mesh, One-to-One, One-to-Many • Bi-direction and Uni- direction traffic
UET Configuration	• State full Link Layer • Link Layer Retry (LLR) • Link Layer Error insertion • State full Transport layer • Reliable ordered delivery (ROD) • Reliable un-ordered delivery (RUD) • High number of Fabric End Point (FEP) • RCC Congestion Control • Packet trimming • Dynamic entropy change • Traffic mode – Continuous and Bursty • Full Mesh, One-to-One, One-to-Many • Bi-direction and Uni- direction traffic
RoCEv2 Throughput	800G, 400G, 200G, 100G
UET - Throughput	800G, 400G, 200G, 100G
Congestion Avoidance	• Packet Trimming support • Multi pathing support

Technical Specifications continued

Product Feature	Description	
Congestion Control	• ECN, PFC combination for lossy and lossless fabric • ECN detection, CNP notification • CNP interval • QoS priority for CNP notification • DCQCN • NSSC and RCC	
Key Results and Statistics (Available on Web and Windows GUI)	• CT, Ideal JCT • Tail latency (P95/P99/P99.9) Algorithm bandwidth (algbw) and Bus bandwidth (busbw) based on JCT • CCL Traffic Chart algbw and busbw based on transmission time • Total Transmission Time, Total Training Time • Average Iteration Time, Max Iteration Time, Min Iteration Time	• Throughput, packet loss, out of sequence packets, packet latency • ECN, CNP TX/RX • Receiver Window Size • Packet loss • Packet Rate • RTT • Retransmission Rate • Packet Latency

AFT Support

Trackable Flow Count (AFT)	Tx: 1 Million, Rx: 4K
HW Stream Blocks	128
Max RIT Table Entries	128K
Rx Out of Sequence	Support Out-of-Seq at per flow level
Removed Generator Features	Pattern Fill
Removed Analyzer Features	Pattern Match
Egress Flow Tracking	Supported

Layer 1 Functionality

QSFP/OSFP Interconnects	CR, SR, LR, FR, DR, ZR at multi-rate (800/400/200/100/50G)
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Technical Specifications continued

Product Feature	Description
Media Support and FEC Options	RS (544,514) FEC supported for all PAM4 speed modes Other supports vary by speed modes • 112 Gbps PAM4 mode – Optical Transceiver • 1x800G: 800GBASE-SR8, 800GBASE-DR8, and 800GBASE-FR8 • 2x400G: 800GBASE-SR8, 800GBASE-2FR4, 400GBASE-DR4, 400GBASE-FR4 • 4x200G: 800GBASE-SR8 • 8x100G: 800GBASE-SR8 – Copper Cable* • 1x800G/2x400G/4x200G/8x100G: 800GBASE-CR8 • 56 Gbps PAM4 mode – Optical Transceiver • 1x400G: 400GBASE-SR8, 400GBASE-DR4, 400GBASE-FR4, 400GBASE-LR4, 400GBASE-LR8, 400GBASE-ZR, and 400GBASE-ZR+ • 2x200G: 400GBASE-SR8 and 200GBASE-FR4 • 8x50G: 400GBASE-SR8 – Copper Cable* • 1x400G/2x200G/8x50G: 400BASE-CR8, 200GBASE-CR4 *Copper Cable types listed above include Direct Attached Copper Cable (DAC), Active Electrical Cable (AEC), and breakout cable.
Auto-Negotiation/Link Training (AN/LT)(IEEE 802.3 Compliant)	AN/LT supported for 1x800G, 2x400G, 4x200G, 8x100G, 1x400G, 2x200G, and 8x50G
Layer-1 Debug Tools and Features	Pre/Post FEC Codeword statistics, Tx Emphasis settings, Rx Eye view, FEC Counters, PRBS Gen/Check, Front-end L1 Summary Status, Xcvr MDIO access, PCS monitoring
PRBS Patterns	PRBS-9Q, PRBS-10Q, PRBS-11Q, PRBS-13Q, PRBS-15Q, PRBS-20Q, PRBS-23Q, PRBS-31Q, PRBS-49Q, PRBS-58Q
L1 FEC Alarms	High Symbol Error Rate, Loss of Alignment Marker Payload Sequence, Loss of Alignment

Ordering Information – OSFP

Part Number	Description
Base Packages	
B3-800-OSFP-4-1550A	B3 4-Port OSFP 800G/400G/200G/100G/50G Bundle
B3-800-OSFP-4-1300A	B3 4-Port OSFP 800G/400G/100G Bundle
B3-800-OSFP-4-1200A	B3 4-Port OSFP 800G/400G Bundle
B3-800-OSFP-4-800A	B3 4-Port OSFP 800G Only Bundle
B3-800-OSFP-8-1550A	B3 8-Port OSFP 800G/400G/200G/100G/50G Bundle
B3-800-OSFP-8-1300A	B3 8-Port OSFP 800G/400G/100G Bundle
B3-800-OSFP-8-1200A	B3 8-Port OSFP 800G/400G Bundle
B3-800-OSFP-8-800A	B3 8-Port OSFP 800G Only Bundle
Hardware Upgrades (available as add on after purchase of initial base package bundle)	
HWO-B3-800-OSFP-4-50G	50G 112G/56G PAM4 HW Speed Option for B3-800-OSFP-4-T1S
HWO-B3-800-OSFP-4-100G	100G 112G/56G PAM4 HW Speed Option for B3-800-OSFP-4-T1S
HWO-B3-800-OSFP-4-200G	200G 112G/56G PAM4 HW Speed Option for B3-800-OSFP-4-T1S
HWO-B3-800-OSFP-4-400G	400G 112G/56G PAM4 HW Speed Option for B3-800-OSFP-4-T1S
HWO-B3-800-OSFP-4-800G	800G 112G/56G PAM4 HW Speed Option for B3-800-OSFP-4-T1S
HWO-B3-800-OSFP-4-PORT	B3-800-OSFP-4 Single Port Enablement
HWO-B3-800-OSFP-8-50G	50G 112G/56G PAM4 HW Speed Option for B3-800-OSFP-8-T1S
HWO-B3-800-OSFP-8-100G	100G 112G/56G PAM4 HW Speed Option for B3-800-OSFP-8-T1S
HWO-B3-800-OSFP-8-200G	200G 112G/56G PAM4 HW Speed Option for B3-800-OSFP-8-T1S
HWO-B3-800-OSFP-8-400G	400G 112G/56G PAM4 HW Speed Option for B3-800-OSFP-8-T1S
HWO-B3-800-OSFP-8-800G	800G 112G/56G PAM4 HW Speed Option for B3-800-OSFP-8-T1S
HWO-B3-800-OSFP-8-PORT	B3-800-OSFP-8 Single Port Enablement
Software Upgrades (available as add on after purchase of initial base package bundle)	
SWO-B3-800-OSFP-4-AST	Advanced Sequence Tracking 800/400/200/100G on B3-800-OSFP-4-T1S
HWO-B3-800-OSFP-4-100G-XS	8x100G XStream Enhanced Mode on B3-800-OSFP-4-T1S
HWO-B3-800-OSFP-4-200G-XS	4x200G XStream Enhanced Mode on B3-800-OSFP-4-T1S
HWO-B3-800-OSFP-4-400G-XS	2x400G XStream Enhanced Mode on B3-800-OSFP-4-T1S
HWO-B3-800-OSFP-4-800G-XS	1x800G XStream Enhanced Mode on B3-800-OSFP-4-T1S
SWO-B3-800-OSFP-4-MACSEC	MACsec Software on B3-800-OSFP-4-T1S Appliance
SWO-B3-800-OSFP-8-MACSEC	MACsec Software on B3-800-OSFP-8-T1S Appliance
Autonomous Flow Tracking	
Autonomous Flow Tracking (AFT) Package*	BPK-1407

*Only supported on B3 8-port 800G and 400G, sub-speeds will be available in future software releases.

Ordering Information – QSFP-DD

Part Number	Description
Base Packages	
B3-800-QD-4-1550A	B3 4-Port QSFP-DD800 800G/400G/200G/100G/50G Bundle
B3-800-QD-4-1300A	B3 4-Port QSFP-DD800 800G/400G/100G Bundle
B3-800-QD-4-1200A	B3 4-Port QSFP-DD800 800G/400G Bundle
B3-800-QD-4-800A	B3 4-Port QSFP-DD800 800G Only
B3-800-QD-8-1550A	B3 8-Port QSFP-DD800 800G/400G/200G/100G/50G Bundle
B3-800-QD-8-1300A	B3 8-Port QSFP-DD800 800G/400G/100G Bundle

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Ordering Information – QSFP-DD continued

Part Number	Description
B3-800-QD-8-1200A	B3 8-Port QSFP-DD800 800G/400G Bundle
B3-800-QD-8-800A	B3 8-Port QSFP-DD800 800G Only
Hardware Upgrades (available as add on after purchase of initial base package bundle)	
HWO-B3-800-QD-4-50G	50G 112G/56G PAM4 HW Speed Option for B3-800-QD-4-T1S
HWO-B3-800-QD-4-100G	100G 112G/56G PAM4 HW Speed Option for B3-800-QD-4-T1S
HWO-B3-800-QD-4-200G	200G 112G/56G PAM4 HW Speed Option for B3-800-QD-4-T1S
HWO-B3-800-QD-4-400G	400G 112G/56G PAM4 HW Speed Option for B3-800-QD-4-T1S
HWO-B3-800-QD-4-800G	800G 112G/56G PAM4 HW Speed Option for B3-800-QD-4-T1S
HWO-B3-800-QD-4-PORT	B3-800-QSFP-DD800-4P Single Port Enablement
HWO-B3-800-QD-8-50G	50G 112G/56G PAM4 HW Speed Option for B3-800-QD-8-T1S
HWO-B3-800-QD-8-100G	100G 112G/56G PAM4 HW Speed Option for B3-800-QD-8-T1S
HWO-B3-800-QD-8-200G	200G 112G/56G PAM4 HW Speed Option for B3-800-QD-8-T1S
HWO-B3-800-QD-8-400G	400G 112G/56G PAM4 HW Speed Option for B3-800-QD-8-T1S
HWO-B3-800-QD-8-800G	800G 112G/56G PAM4 HW Speed Option for B3-800-QD-8-T1S
HWO-B3-800-QD-8-PORT	B3-800-QSFP-DD800-8P Single Port Enablement
Software Upgrades (available as add on after purchase of initial base package bundle)	
SWO-B3-800-QD-4-AST	Advanced Sequence Tracking 800/400/200/100G on B3-800-QD-4-T1S
HWO-B3-800-QD-4-100G-XS	8x100G XStream Enhanced Mode on B3-800-QD-4-T1S
HWO-B3-800-QD-4-200G-XS	4x200G XStream Enhanced Mode on B3-800-QD-4-T1S
HWO-B3-800-QD-4-400G-XS	2x400G XStream Enhanced Mode on B3-800-QD-4-T1S
HWO-B3-800-QD-4-800G-XS	1x800G XStream Enhanced Mode on B3-800-QD-4-T1S
SWO-B3-800-QD-4-MACSEC	MACsec Software on B3-800-QD-4-T1S Appliance
SWO-B3-800-QD-8-MACSEC	MACsec Software on B3-800-QD-8-T1S Appliance
Autonomous Flow Tracking	
Autonomous Flow Tracking (AFT) Package*	BPK-1407

* Only supported on B3 8-port 800G and 400G, sub-speeds will be available in future software releases.

Ordering Information – RoCEv2, CCL and Ultra Ethernet Transport (UET)

Part Number	Description
For B3 QSFP-DD and OSFP Appliances	
HWO-B3-ROCE-ECN-800-4	VIAVI RoCE ECN-800G for B3-800-OSFP or B3-800-QD for 4 X 800G PAM4 ports total per appliance
HWO-B3-ROCE-ECN-400-8	VIAVI RoCE ECN-400G for B3-800-OSFP or B3-800-QD for 8 X 400G PAM4 ports total per appliance
HWO-B3-ROCE-ECN-200-16	VIAVI RoCE ECN-200G for B3-800-OSFP or B3-800-QD. 4-port B3: 8 X 200G PAM4 ports. 8-ports B3: 16 x 200 PAM4 ports total per appliance.
HWO-B3-ROCE-ECN-100-16	VIAVI RoCE ECN-100G for B3-800-OSFP or B3-800-QD. 4-port B3: 8 X 100G PAM4 ports. 8-ports B3: 16 x 100 PAM4 ports total per appliance.
HWO-B3-ROCE-ECN-1500A	VIAVI RoCE ECN-800G/400/200/100 Suite for B3-800-OSFP or B3-800-QD. 4-port B3: 8 X 800G PAM4 or 8 X 400G or 8 x 200G PAM4 or 8 X 100G ports. 8-ports B3: 4 X 800G PAM4 or 8 X 400G or 16 x 200G PAM4 or 16 x 100G PAM4 ports total per appliance.
HWO-B3-ROCE-ECN-1200A	VIAVI RoCE ECN-800G/400G Suite for B3-800-OSFP or B3-800-QD. 4-port B3 and 8-port B3: 4 X800G PAM4 ports or 8 X 400G PAM4 ports total per appliance.

RoCEv2, CCL and Ultra Ethernet Transport (UET) continued

Part Number	Description
HW0-B3-ROCE-ECN-1100A	VIAVI RoCE ECN-800G/200/100 Suite for B3-800-OSFP or B3-800-QD. 4-port B3: 8 X 800G PAM4 or 8 x 200G PAM4 or 8 X 100G ports. 8-ports B3: 4 X 800G PAM4 or 16 x 200G PAM4 or 16 x 100G PAM4 ports total per appliance.
HW0-B3-ROCE-ECN-1000A	VIAVI RoCE ECN-800G/200 Suite for B3-800-OSFP or B3-800-QD. 4-port B3: 8 X 800G PAM4 or 8 x 200G PAM4 ports. 8-ports B3: 4 X 800G PAM4 or 16 x 200G PAM4 or 16 x 100G PAM4 ports total per appliance.
HW0-B3-ROCE-ECN-700A	VIAVI RoCE ECN-400G/200/100 Suite for B3-800-OSFP or B3-800-QD. 4-port B3: 8 X 400G PAM4 or 8 x 200G PAM4 or 8 x 100G PAM4 ports. 8-ports B3: 8 X 400G PAM4 or 16 x 200G PAM4 or 16 x 100G PAM4 ports total per appliance.
HW0-B3-ROCE-ECN-600A	VIAVI RoCE ECN-400G/200 Suite for B3-800-OSFP or B3-800-QD. 4-port B3: 8 X 400G PAM4 or 8 x 200G PAM4 ports. 8-ports B3: 8 X 400G PAM4 or 16 x 200G PAM4 ports total per appliance
HW0-B3-ROCE-ECN-500A	VIAVI RoCE ECN-400G/100 Suite for B3-800-OSFP or B3-800-QD. 4-port B3: 8 X 400G PAM4 or 8 x 100G PAM4 ports. 8-ports B3: 8 X 400G PAM4 or 16 x 100G PAM4 ports total per appliance.
HW0-B3-ROCE-ECN-300A	VIAVI RoCE ECN-200G/100 Suite for B3-800-OSFP or B3-800-QD. 4-port B3: 8 X 200G PAM4 or 8 x 100G PAM4 ports. 8-ports B3: 16 X 200G PAM4 or 16 x 100G PAM4 ports total per appliance.
HW0-B3-CCL-4	VIAVI CCL FOR B3-800-OSFP or B3-800-QD. Speeds are included: 4 X 400G PAM4 or 4 X 800G PAM4 ports per appliance
HW0-B3-UET-800-8	UET 800G for B3-800-QD or B3-800-OSFP. 4X 800G PAM4 ports total per test module
HW0-B3-UET-400-8	UET 400G for B3-800-QD or B3-800-OSFP. 8X 400G PAM4 ports total per test module
HW0-B3-UET-1500A	UET 800G/400G/200G /100G Suite for B3-800-QD or B3-800-OSFP. 4 port B3:4 X 800G PAM4 or 8 X 400G PAM4 or 8 X 200G PAM4 or 8x100G PAM4 ports . 8 port B3:4 X 800G PAM4 or 8 X 400G PAM4 or 16 X 200G PAM4 or 16x100G PAM4 ports total per test module
HW0-B3-UET-1200A	UET 800G/400G Suite for B3-800-QD or B3-800-OSFP. 4 port B3:4 X 800G PAM4 or 8 X 400G PAM4 ports 8 port B3 :4 X 800G PAM4 or 8 X 400G PAM4 ports total per test module
HW0-B3-UET-600A	UET 400G/200G Suite for B3-800-QD or B3-800-OSFP. 4 ports B3 8 X 400G PAM4 or 8 X 200G PAM4 ports 8-ports B3 8 X 400G PAM4 or 16 X 200G PAM4 ports total per test module
HW0-B3-UET-500A	UET 400G/100G Suite for B3-800-QD or B3-800-OSFP. 4-port B3: 8 X 400G PAM4 or 8 X 100G PAM4 ports. 8-port B3: 8 X 400G PAM4 or 16 X 100G PAM4 ports total per test module
HW0-B3-UET-300A	UET 200G/100G Suite for B3-800-QD or B3-800-OSFP. 4-port B3: 8 X 200G PAM4 or 8 X 100G PAM4 ports. 8-port B3: 16X 200G PAM4 or 16 X 100G PAM4 ports total per test module
HW0-B3-UET-200-8	UET Transport Layer-400G/100G Suite for B3-800-QD or B3-800-OSFP. 4-port B3: 8 X200G PAM4 ports. 8-port B3: 16 X 200G PAM4 ports total per test module
HW0-B3-UET-100-8	UET 400G/100G Suite for B3-800-QD or B3-800-OSFP. 4-port B3: 8 X100G PAM4 ports. 8-port B3: 16 X 100G PAM4 ports total per test module

Requirements

- Windows-based workstation with 10/100/1000 Mbps Ethernet NIC; mouse and color monitor required for GUI operation
- Linux or Windows-based workstation for automation scripting
- Mac, Linux, or Windows-based workstation for Rest API support
- Optional software licenses are available for a wide variety of protocol and feature support, please contact your VIAVI sales representative for more information



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