

VISION EDGE 100 NETWORK PACKET BROKER



DATA SHEET

The need for real-time visibility into network data has never been greater. Being able to know how applications and services are performing is no longer a nice to have. It is also imperative to have the ability to quickly quantify threats from within and outside of your network.

Current reality is that compute, storage and networks are now software defined and built by the rack and containers. And, in keeping with demand to deliver lower operating expense and offering the best-of-breed in software-defined flexibility, visibility is lost at every layer as installations get dense and traffic moves east-west within a rack and north-south between racks.

More servers, more switching layers, more virtual platform translate to more visibility blindspots.

Ixia's new Vision Edge 40 (E40) and Vision Edge 100 (E100) network packet brokers are designed to provide rack-level visibility through a solution that allows seamless integration into existing hybrid SDN architectures, offering true flexible multi-speed capability, and a comprehensive feature set for the versatility to adapt to the future future, ensuring your Security Fabric's strenght, all while offering a compelling total cost of ownership.

HIGHLIGHTS

- High density 1U platform for visibility per rack service
- Supports 10G to 100G networks
- Supports scaling your security infrastructure in more manageable steps
- Fully featured with Ixia's robust NetStack capabilities:
 - Aggregation, replication, filtering and load balancing
 - Ixia's patented filter compiler and three stages of filtering for one of a kind flexibility in managing network and tool traffic profile
- Works seamlessly with Vision ONE and 7300/7303 as part of a Security Fabric

PRODUCT FEATURES

- **High density multi-speed network packet broker** that is designed for deployment in racks to aggregate traffic
- **Exceptionally feature rich** stand-alone packet broker that supports 10G to 100G networks
- **Easy-to-use web-interface** allows you to focus on security rather than configuration
- **Robust NetStack features, including Ixia's Patented dynamic filter compiler** make configuration simple and eliminates human errors in typing ACL-like rules to find traffic of interest
- **Sophisticated load balancing, also part of NetStack**, distributes traffic across tools ports for monitoring to maximize up-time and ensure that no critical data is lost
- **Comprehensive wizards** that makes deployment extremely easy

- **Space efficient** 1RU design saves rack space in your data center

VISION E100 HIGHLIGHTS

- Capable of (5) speeds - 10G, 25G, 40G, 50G and 100G networks
- (32) QSFP28 front panel ports
- Supports QSFP28 (for 100G) or QSFP+ (for 40G) transceivers
- Each port is capable of any of the 5 speeds, set independently
- Massive density with (128) 10G ports in 1U size
- Hot swap redundant power supplies and fans
- Available in AC and DC models
- Full featured with NetStack capabilities: aggregation, replication, filtering and load balancing

PORT CONFIGURATION AND DENSITY

System	10G	25G*	40G	50G*	100G
Vision E100	128	128	32	64	32
Max # of ports					
*Future version					

OPERATING SPECIFICATIONS

VISION E100	
<p>Power</p> <ul style="list-style-type: none"> • 2 redundant hot swap AC power supplies • 2 redundant hot swap -48V DC power supplies • Input voltage: 90 to 264 VAC @ 50-60 Hz • Input voltage: -36 to -72 VDC • Max Power: 350 W without pluggable optics • Typical Power: 310 W without pluggable optics 	<p>Physical Size, Weight and Environmental</p> <ul style="list-style-type: none"> • WxDxH: 17.3 x 20.3 x 1.71 inches • Weight: 23 lbs with two installed PSU • Regulatory and compliance information will be updated and included here in the future • Operating Temperature: 0 to 45 degrees Celsius • Operating Humidity: 5% to 95% non-condensing • Country of Origin: Taiwan • Country of shipment to End customer: USA

ORDERING INFORMATION

VISION E100 SYSTEM	
HARDWARE BUNDLE PART NUMBER	DESCRIPTION
SYS-V-E100-8P-100G-AC	Vision E100 System AC Chassis with fixed (32) QSFP28 100GE ports; Licensed for (8) ports at 10G, 40G, 100G
SYS-V-E100-8P-100G-DC	Vision E100 System DC Chassis with fixed (32) QSFP28 100GE ports; Licensed for (8) ports at 10G, 40G, 100G
SYS-V-E100-32P-40G-AC	Vision E100 System AC Chassis with fixed (32) QSFP28 100GE ports; Licensed for (32) port at 40G ports or (128) at 10G
SYS-V-E100-32P-40G-DC	Vision E100 System DC Chassis with fixed (32) QSFP28 100GE ports; Licensed for (32) port at 40G ports or (128) at 10G

VISION E100 PORT AND FEATURES	
HARDWARE BUNDLE PART NUMBER	DESCRIPTION
LIC-V-E100-ADD-4P	Vision E100 Port license for an additional (4) ports
LIC-V-E100-ADD-24P	Vision E100 Port license for an additional (24) ports
LIC-V-E100-INLINE	Vision E40, Enables Inline features; licensed per system
LIC-V-E100-IFC	Vision E100 Enables Ixia fabric controller (IFC) for direct connect to Vision ONE or Vision 7300/3; licensed per system
LIC-V-E100-40G-UPG	Vision E100 Upgrade SYS-V-E100-32P-40G-AC/DC to 100G; Includes port license for all (32) ports

VISION E100 SPARE AND MODULES	
HARDWARE PART NUMBER	DESCRIPTION
SYS-V-E100-SPARE-AC	Vision E100 System AC Chassis with no ports or features enabled; Requires short term license to be installed to operate when required; PREREQUISITES: Cold space license LIC-V-E100-SPARE for operation
SYS-V-E100-SPARE-DC	Vision E100 System DC Chassis with no ports or features enabled; Requires short term license to be installed to operate when required; PREREQUISITES: Cold space license LIC-V-E100-SPARE for operation
LIC-V-E100-SPARE	Vision E100, Cold spare system license; NOTE: Includes max configuration; Activation includes all ports, all inline and Ixia Fabric Controller; Short term activation only to operate Vision E40 cold spare system
MOD-V-E100-AC-PWR	Vision E100 System, (1) AC power module, for the Vision E100 chassis
MOD-V-E100-DC-PWR	Vision E100 System, (1) DC power module, for the Vision E100 chassis
MOD-V-E100-FAN-ASSY	Vision E100, (1) FAN module, for the Vision E100 chassis

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