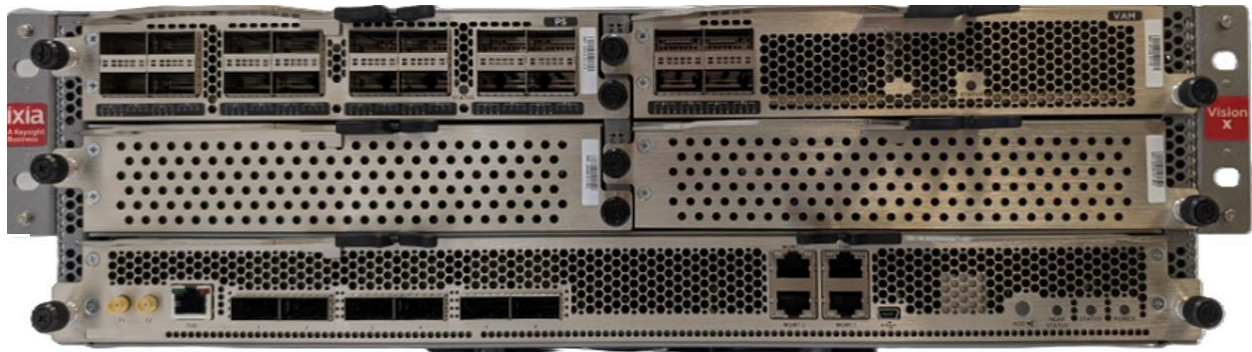


Vision X 400G (Model: Vision X 400G) Network Packet Broker

Proven Vision X Platform Adds 400G Support



Product Description

Keysight's Vision X is the next-generation network visibility solution. It delivers expandability and flexibility that meets the ever-evolving needs of the data center.

Vision X is a high-density, modular chassis comprised of customizable front modules and multi-speed port choices. It also supports a rear, advanced packet processing module, extending the total packet processing capacity of the chassis.

Vision X is now getting even better with a new and field upgradable Vision X 400G switch card, extending visibility coverage from 10G all the way to 400G. All existing modules will continue working as-is after the 400G switch card upgrade. Your past investment is fully protected with the upgrade.

Key Features

- **All existing modules** will continue working as-is after the upgrade
- **Automated filter compiler** that simplifies configuration using either the powerful GUI or REST API
- **Zero-loss, advanced packet** processing improves tool efficiency through deduplication, packet trimming, and header stripping without dropping packets.
- **Full support** of both PacketStack and PacketStack+, significantly boost advanced processing capacity
- **Space efficient 3RU design** saves rack space in your data center and provides modularity.
- **5G visibility** provides unparalleled more core visibility and insight for service providers and operators, enabling optimization of network performance through correlation, sampling, and network slice awareness.
- **Inline decryption** provides the ability to decrypt and re-encrypt traffic as a transparent proxy for both inline and out-of-band tool deployments. Offloads the decryption burden from tools to improve ROI and security performance.
- **Newly added FlowStack** provides up to 4 NetFlow parallel generators to external collectors, or internally to AppStack for IxFlow enrichment, ingesting an aggregated up to 400G traffic

Use Cases

- In a typical spine-and-leaf visibility architecture, Vision X takes aggregated traffic from Vision Edge NPBs, and provides the centralized traffic processing before sending the processed traffic to security tools.
- With dedicated encryption/decryption hardware, Vision X provides inline man-in-the-middle decryption/encryption for either inline or out-of-band security tools.
- For application DPI, Vision X provides application identification, app filtering and forwarding, rich meta data generation including proprietary IxFlow generation to security tools.
- Inline HA offers the best in the industry, and most resilient visibility architecture to protect against all kinds of failures (tools, cables, transceiver, loss of power, hardware replacement, software upgrade etc.)

Product Capabilities

NetStack

Robust filtering, aggregation, replication and more – the gold standard for network traffic visibility.

The following traffic visibility capabilities combined as NetStack are the foundational set available as standard features for Keysight's industry-leading network packet brokers.

Three stages of filtering 	Aggregation 	Intersection mode filtering 
Replication 	Priority based filtering 	Load balancing 
Dynamic filter compiler 	Source port labeling (VLAN tagging) 	Native L2GRE/VxLAN termination and origination 
Packet capture 		

[Learn more about NetStack features](#)

PacketStack

Line-rate (up to 2 Tbps), intelligent packet processing. Modify every packet at line-rate using any combination of Keysight's FPGA based PacketStack (AFM) capabilities. Flexibly assign advanced packet processing to any port or dynamic filter in 100 Gbps increments.

Deduplication 	Header stripping 	Packet trimming (Slicing) 
Timestamping 	Extended burst protection 	Data masking 
Tunnel termination (any encapsulation) 		

[Learn more about PacketStack features](#)

PacketStack+

Perform advanced packet processing such as header (protocol) stripping, deduplication, data masking/MAC/IP-rewrite, timestamping, and GRE/VxLAN tunnel origination at all ports for all speeds.

Deduplication 	Protocol header stripping 	Packet trimming (Slicing) 
Timestamping 	Data masking MAC/IP rewrite 	Native tunnel termination 
L2GRE and VxLAN tunnel origination 		

[Learn more about PacketStack+ features](#)

AppStack

Context aware, signature-based application layer filtering. Relying on both static traffic pattern identification and dynamic application discovery, AppStack provides a comprehensive view of which applications are running within your network, what bandwidth they consume, and where these applications are running geographically.

Pinpoint sensitive information anywhere in the data, using advanced RegEx, with pre-defined detection for e-mail addresses, social security numbers and credit card numbers.

IxFlow empowers Big Data, observability, security and performance monitoring tools by generating enriched metadata with support for NetFlow, IPFIX, JSON, Kafka and Pulsar.

Application identification 	Geolocation and tagging 	RegEx filtering 
IxFlow 	Packet capture 	Application signature subscription 
Data masking + 		

[Learn more about AppStack features](#)

FlowStack

Custom acceleration engines on PacketStack modules implement the FlowStack algorithm which increases the performance of metadata extraction and generation by up to 5X compared to CPU based approaches. FlowStack extracts information from the initial packets in a flow, measures the state of the flow in subsequent packets and determines when and why the flow ends, generating metadata records at each step.

AppStack software running on application modules combines the FlowStack output into IxFlow or sends records to an enterprise messaging bus.

When operating alone on PacketStack card with FlowStack image, it can provides NF records for up to 400G traffic to 4 independent or parallel generators.

Flow shunting



NetFlow v10 (IPFIX)



SecureStack

Optimized handling for secure traffic. SecureStack allows organizations to inspect encrypted data and enable tools to detect threats and malware hiding in encrypted traffic.

Out-of-Band decryption



Inline decryption



[Learn more about SecureStack features](#)

MobileStack

Network visibility for mobile operators: High Performance optimized for cost savings.

MobileStack significantly reduces probe traffic, focusing on crucial data to monitor subscriber quality of experience, essential in managing the transition to 5G with efficiency. This ensures optimal use of monitoring infrastructure, leading to considerable cost reductions. As 5G traffic increases, the integration of MobileStack with AppStack amplifies AI/ML analytics capabilities, providing deep insights into network operations and enhancing subscriber quality of experience (QoE).

Encrypted 5G data access 	GTP correlation 	Subscriber filtering 
Subscriber sampling 	Subscriber load balancing 	Subscriber allowlisting 
Metadata & analytics 	MobileStack PLUS 	

[Learn more about MobileStack features](#)

Vision X 400G Features

	Feature
NetStack	Native tunnel termination for all protocols supported by header stripping
	Filtering on IP4/IPv6 fragments
	Full-duplex, non-blocking, and line rate L2 forwarding of 12.8 Tbps
	Supports individual configuration of 10G, 25G, 40G, 50G, 100G, 200G or 400G speeds
	Superior architecture enables maximum use of filter memory for each installed module
	Packet Capture on all ports. Up to 1000 packets per capture. Up to 50MB for storage
Netservices	Application intelligence with hundreds of pre-loaded signatures for app detection and reporting, app filtering and metadata generation
	High-performance module for application detection, metadata generation, and Inline/OOB decryption
Inline	Comprehensive wizards make inline tool deployment extremely easy for complex use cases that require tool sharing or VLAN translation

PacketStack	Inline HA offers the most resilient architecture for Inline tool deployment
	Up to 2 Tbps of advanced packet processing (dedup, header stripping, timestamping, etc.)
	Standard header stripping that includes VLAN, FabricPath, ETag, VNTag, GTP, MPLS, VxLAN, L2GRE, ERSPAN. Supports cascaded header stripping
	Generic Header Stripping can be used to strip proprietary or other protocols headers not in above list. Examples are: L3GRE, GENEVE, JMirror, PBB-TE, LISP, VSL, OTV, PPPoE
PacketStack Plus	PTP 1588 Time Stamping
	Up to 12.8 Tbps of advanced packet processing (dedup, header stripping, timestamping, MAC rewrite, trimming, etc.)
	Protocol header stripping: ETag, VNTag, Fabric Path, TTag, GENEVE, L2GRE, L3GRE, VxLAN, GTP, LISP, MPLS L2VPN with or without CW, MPLS L3VPN, MPLS over GRE, MPLS over UDP, ERSPAN, IPinIP.
	Native tunnel termination for all protocols. VxLAN/L2GRE tunnel origination
FlowStack	Inner IP/L4 filtering while encapsulation header is on, for both IPv4 and IPv6 traffic
	Using the same PacketStack module but running a FlowStack image, up to 4 parallel flow generators each ingesting 100G traffic can be supported. The flow records can be sent to external flow collectors or the AppStack module via internal lane
	Working with AppStack and flow shunting, performance of flow enrichment with IxFlow can be significantly increased
MobileStack	High performance 5G visibility
	With MobileStack PLUS provides correlation, sampling and allowlisting of GTP traffic along with deduplication, trimming, and timestamping without loopbacks

Inline Capabilities

Requirement	Inline Capability
Inline basics	Supports failsafe serial service chaining, parallel load balancing with spares, or combined topologies.
	Customizable heartbeat (HB) support to detect and automatically recover from monitoring and security tool failures.
	Multiple HB templates enable each tool to have its own unique HB.
Inline advanced	Link Force Down (LFD) and its triggered response provide coordinated link status change in either standalone or High Availability (HA) mode.
	Bypass switches and Keysight Vision X can have different HB, making a multi-tier design possible, to increase overall resilience for High Availability (HA).
	Active-Active Inline HA solution is the gold standard in the industry and offers the most resilient architecture to protect against all kinds of failures.
	Tool Sharing (TS) enables sharing of the same set of inline tools among multiple network segments without crosstalk.
	VLAN translation enables inline tools that don't support QinQ to enjoy Tools Sharing.

Inline decryption capabilities	Asymmetric hashing supports common use cases for lawful interception
	Delivered through an Application Module with a dedicated cryptographic processor
	Transparently intercepts and decrypts TLS traffic, enables inspection by tools, then re-encrypts the traffic, and transmits it forward
	Supports all modern TLS encryption schemes
	Support for both forward proxy and reverse proxy in the same instance
	Supports Host Categorization Service for decryption bypass of site types such as Financial and Health
	Offload the decryption from a service chain of multiple security tools
	Does not impact the ability to use any other feature of the Vision X

Network Packet Broker Management

Keysight Vision Orchestrator

Keysight Vision Orchestrator (KVO) offers intent-based visibility for its users and its main goal is to provide a single pane of glass for Keysight visibility solutions, covering both physical and virtual world. KVO has two key components, element management and data path management. Key functional blocks of each component are listed below:

Element management

- KVO User management - Single Sign On
- Granular role and resource based access control
- Custom dashboards and reporting
- Event management
- Software upgrade automation
- Centralized license management

Data path management

- Cluster Management
- Intent-based Network Policies
- Policy Scheduler
- Self-healing Visibility Fabric
- Global Change Management
- Audit Trail of Changes
- Open API for fabric management

Keysight KVO



Keysight Vision Orchestrator can manage hundreds of visibility nodes in the Cloud, Data Center, or Edge. This enables organizations to scale and operate their visibility solutions across their entire environment with the ease of intent-based policies.

[Learn more about Keysight's KVO](#)

Vision X 400G Port Configuration

Speed	Main Switch +4 x NetStack Modules # of Ports	Main switch +4 x PacketStack Modules # of Ports	Main switch +4 x Application Modules # of Ports
400 GbE	6	6	6
200 GbE	12	12	12
100 GbE	Up to 72	Up to 56	Up to 40
50 GbE	Up to 144	Up to 112	Up to 80
40 GbE	Up to 76	Up to 76	Up to 28
10/25 GbE	Up to 240	Up to 80	Up to 112

Note: Calculation includes 400G fan-out (2x200G, 4x100G, 2x40G, 8x10/25/50G)

Product Specifications

General Specifications

Airflow direction	Front to Rear	
MTBF (at 25 °C)	AC Base Chassis	115,167 h
	DC base chassis	104,653 h
	MVX400-SWCH card	170,675 h
Management	Intuitive Web GUI, TLS 1.2 SNMP v1, v2, v3 Requests, Inform Requests and Traps support Supports IEEE 1588 / Precision Time Protocol (PTP) time synchronization. Local, RADIUS, TACACS+ and LDAP support (users and groups) IP allowlist	Granular access control features Event monitoring and logging Syslog (cleartext or encrypted) IT Automation control with RESTful API IPv4, IPv6, static or DHCP Secure serial console port with authentication
Performance	Fully non-blocking 12.8Tb one-way or 25.6Tb full-duplex switch capacity, line rate across all ports with filtering enabled. Up to 14.8Tbps Advanced Packet Processing (dedup, stripping, trimming, etc.) 10G/25G/40G/50G/100G/200G/400G support	

Physical Specifications

Physical size (W x D x H)	17.5 x 31.0 x 5.25 in (445 x 787 x 133 mm)	
Weight	Chassis	57.0 kg or 125.0 lbs
	Modules	Weight Size (WxDxH)
	MVX400-SWCH Switch Card	5.2 kg (11.5 lbs) 17.3 x 10.9 x 1.6 in (440 x 276 x 40 mm)
Rack mountable	3 RU for 19" rack-mountable chassis	

Electrical Specifications

Power AC	Quad hot-swappable AC power supplies
Input voltage	100-240 VAC, 50-60 Hz
Power consumption (per power supply)	Low line [100 VAC] max 1260W Normal line [110 -120 VAC] max 1400 W High line [200 – 240 VAC] max 1500 W
Input current	15 A @ 100 VAC, 10 A @ 240 VAC
Power DC	Quad hot swappable DC power supplies
Input voltage	48-60 VDC
Input current	Max. 25 A
Power consumption (per power supply)	1500W
Heat / Power dissipation	Max. 3000w / 11,942 BTU/hr
Operational Scenarios	
Normal operation	Four (4) power supplies deployed, with 600 W per power supply as the typical max load.
Deployment example	Power feed A connection is to the left two (2) chassis power supplies Power feed B connection is to the right two (2) chassis power supplies
Fail scenarios	If power feed A or B fails, either side can support the full power load of 2400 W or 1200 W load per power supply. If one power supply fails, that results in an 800 W load per power supply. If two power supplies fail, that results in a 1200 W load per power supply. In any fail case, there is a 1200 W maximum load for each power supply, with the normal max operation of only 600 W, pre-power supply.

Environmental Specifications

Operating temperature	5 °C to 40 °C	Short term ¹ : -5 °C to 55 °C Short-term ¹ with fan failure: -5 °C to 40 °C
Operating humidity	5% to 85% RH (non-condensing)	Short term ¹ : 5% to 90% RH (non-condensing)
Storage temperature	-40° to 70°C	
Storage humidity	5 to 95%	
Operating altitude	Up to 2000 m	
RoHS	RoHS Directive 2011/65/EU; Annex II, Directive (EU)2015/863 China RoHS	
WEEE	WEEE Directive 2012/19/EU	

1. (not to exceed 96 consecutive hrs)

Compliance

Regulatory Type	Standard
Safety	EN IEC 62368-1
	UL 62368-1/CSA C22.2 No. 62368-1
EMC emissions	CISPR 32, Class A, IEC 61000-3-2, IEC 61000-3-3
	EN 55032, Class A, EN 61000-3-2, EN 61000-3-3
	FCC Part 15B, Class A
	CAN ICES-003(A)/NMB-003(A)
	AS/NZS CISPR 32, Class A
	KS C 9832, Class A, KS C 9610-3-2, KS C 9610-3-3
	CISPR 35
EMC immunity	EN 55035
	KS C 9835

Country / Region certifications	USA
	Canada
	EU
	UK
	Australia
	South Korea
Country of origin	USA, Malaysia

Order Information

Base Unit Vision X 400G

Part Number	Description
SYSVX400-BASE-AC	Keysight Vision X 400G, Base AC system, includes Chassis, (6) port 400G Switch card, 4 power supplies, 5 fans, front/rear blanks as needed (991-2054)
SYSVX400-BASE-DC	Keysight Vision X 400G, Base DC system, includes Chassis, (6) port 400G Switch card, 4 power supplies, 5 fans, front/rear blanks as needed (991-2036)
SYSVX-CHASE-AC	Keysight Vision X Base system, includes chassis, 4 AC power supplies, 5 fans, and 4+1 smart blanks, main switch card not included (991-2037)
SYSVX-CHASE-DC	Keysight Vision X Base system, includes chassis, 4 DC power supplies, 5 fans, and 4+1 smart blanks, main switch card not included (991-2038)
TAA Compliant Versions	
SYSVX400-BASE-AC-T	Keysight TAA Compliant Vision X 400G, Base AC system, includes Chassis, (6) port 400G Switch card, 4 power supplies, 5 fans, front/rear blanks as needed (991-2047)
SYSVX400-BASE-DC-T	Keysight TAA Compliant Vision X 400G, Base DC system, includes Chassis, (6) port 400G Switch card, 4 power supplies, 5 fans, front/rear blanks as needed (991-2048)
SYSVX-CHASE-AC-T	Keysight TAA Compliant Vision X, Chassis Only AC system, includes chassis, 4 power supplies, 5 fans. Must order blanks separately. Switch card not included (991-2049)
SYSVX-CHASE-DC-T	Keysight TAA Compliant Vision X, Chassis Only DC system, includes chassis, 4 power supplies, 5 fans. Must order blanks separately. Switch card not included (991-2050)

Vision X 400G Switch and Existing Vision X Interface Modules

Part Number	Description
MVX400-SWCH	Keysight Vision X 400, Switch Card with (6) 400G ports; Port license sold separately (991-2055)
MVX400-SWCH-T	Keysight Vision X 400, Switch Card with (6) 400G ports; Port license sold separately (991-2055), TAA Compliant
MVX-NS12PC	Keysight Vision X, NetStack 12-port 100G module
MVX-PS8PC	Keysight Vision X, PacketStack 8-port 100G module (Front)
MVX-PS-R	Keysight Vision X, Rear PacketStack module
MVX-AM4PC	Keysight Vision X, App Module (4) port 100G module; Port and feature licenses sold separately
TAA Compliant Versions	
MVX400-SWCH-T	Keysight TAA Compliant Vision X 400, Switch Card with (6) 400G ports; Port license sold separately (991-2062)
MVX-AM4PC-T	Keysight TAA Compliant Vision X, App Module (4) port 100G module; Port and feature licenses sold separately (991-8103)

MVX-NS12PC-T	Keysight TAA Compliant Vision X, NetStack (12) port 100G module; Port license sold separately (991-2043)
MVX-PS-R-T	Keysight TAA Compliant Vision X, Rear PacketStack card; No ports; Performance/feature license sold separately; (991-2044)
MVX-PS8PC-T	Keysight TAA Compliant Vision X, PacketStack (8) port 100G module (Front); Performance/feature and port license sold separately (991-2045)
MVX-SWCH-T	Keysight TAA Compliant Vision X, Switch Card with (12) 100G ports; Port license sold separately (991-2046)

Vision X 400G Port and Spare Licenses

Part Number	Description
LIC-VX400-1PCD	Keysight Vision X 400G, perpetual Port license for (1) port up to 400G. Required per module (993-0620)
LIC-VX400-1PC	Keysight Vision X 400G, perpetual Port license for (1) port up to 100G. Required per module (993-0619)
LIC-VX400-SPR	Keysight Vision X 400G (1) Cold spare system license

Vision X 400G Feature Licenses

Part Number	Description
NetStack Capability	
LIC-VX400-INLN	Keysight Vision X 400G. (1) Inline perpetual feature; Licensed per system (993-0632)
LIC-VX400-CAPT	Keysight Vision X 400G perpetual license, enables NetStack Port Capture feature. Perpetual licensed per system (993-0654)
PacketStack (PS) Capability	
LIC-VX400-PS-PS2C	Keysight Vision X 400G, 200G PacketStack feature perpetual license; licensed per PacketStack module (993-0627)
LIC-VX400-PS-DDUP	Keysight Vision X 400G, (1) PacketStack Packet Deduplication perpetual feature; Licensed per system (993-0629)
LIC-VX400-PS-STRP	Keysight Vision X 400G, (1) PacketStack Header stripping perpetual feature; Licensed per system (993-0630)
LIC-VX400-PS-TUNL	Keysight Vision X 400G. (1) PacketStack Tunneling perpetual feature; Licensed per system (993-0631)
PacketStack Plus (PS+) Capability	
LIC-VX400-PSPL	Keysight Vision X 400G. Fully featured PacketStack Plus features - all features including deduplication activated on all ports. Perpetual license (993-0621)
LIC-VX400-PSPL-DDUP	Keysight Vision X 400G. PacketStack Plus feature for packet deduplication activated on every ports. Perpetual license (993-0627)
LIC-VX400-PSPL-MASK	Keysight Vision X 400G. PacketStack Plus feature for fixed length masking, activated on every port. Perpetual license (993-0622)

LIC-VX400-PSPL-TRIM	Keysight Vision X 400G. PacketStack Plus feature for packet trimming, activated on every port. Perpetual license (993-0625)
LIC-VX400-PSPL-TUNL	Keysight Vision X 400G. PacketStack Plus feature for L2GRE/VxLAN tunnel origination, activated on every port. Perpetual license (993-0626)
LIC-VX400-PSPL-STRP	Keysight Vision X 400G. PacketStack Plus feature for header stripping and tunnel termination, activated on every port. Perpetual license (993-0623)
LIC-VX400-PSPL-TMSP	Keysight Vision X 400G. PacketStack Plus feature for Timestamps PTP/NTP and 1PPS/G.703, activated on every port. Perpetual license (993-0624)
FlowStack Capability	
LIC-VX400-FS-SHNT	Keysight Vision X 400G. FlowStack flow shunting perpetual feature. Base of FlowStack. Support for up to 400G on MVX-PS-R or MVX-PS8PC module. Max (1) per module (993-0650)
LIC-VX400-FS-NTFL	Keysight Vision X 400G. FlowStack meta data generation perpetual license. Support on MVX-PS-R and MVX-PS8PC modules. Max (1) per module(993-0649). Requires LIC-VX400-FS-SHNT as dependency.
AppStack Capability	
LIC-VX400-SSAS-APFL	Keysight Vision X 400G. AppStack perpetual license. Includes App Filtering, Masking and Regex. One (1) CPU instance (993-0647)
LIC-VX400-SSAS-NTFL	Keysight Vision X 400G. AppStack perpetual license for MetaData generation. One (1) CPU instance (993-0648)
SecureStack - Inline Decryption	
LIC-VX400-ASSL	Keysight Vision X 400G, Inline Decryption perpetual feature; Licensed for one (1) CPU on MVX-AM4PC module; Max (2) per module (993-0147)
SUB-VX400-ASSL-HCS	Keysight Vision X 400G, Host Categorization Service subscription; Licensed for one (1) CPU on MVX-AM4PC module; Max (2) per module (993-0148)
MobileStack Capability	
LIC-VX400-MS2C-SPR	Keysight Vision X 400G. (1) cold spare MobileStack GTP correlation, GTP-U feature perpetual license; licensed per PacketStack module. Includes max license (all ports, features, capacity) (993-0634)
LIC-VX400-MS2C	Keysight Vision X 400G. MobileStack perpetual feature; GTP Correlation, GTP-U for up to 200G on MVX-PS-R or MVX-PS8PC Module; Max (2) per module (993-0641)
LIC-VX400-GTP	Keysight Vision X 400G. MobileStack perpetual feature; GTP 4G Correlation, GTP-C for up to 64M subscriber sessions on MVX-AM4PC module; Max (2) per module (993-0638)
LIC-VX400-GTPFD2C	Keysight Vision X 400G. 200G MobileStack GTP Flow Distribution (ELB), Per Module; perpetual licensed per PacketStack module (993-0640)
LIC-VX400-GTP5GC	Keysight Vision X 400G. 5G correlation feature perpetual license. MUST run in conjunction with MobileStack GTP correlation, requires LIC-VX400-GTP. Max (1) per chassis (993-0639)
LIC-VX400-5GT	Keysight Vision X 400G. MobileStack third-party virtual tap termination perpetual feature; Licensed for one (1) CPU on MVX-AM4PC module; Max (2) per module (993-0646)
LIC-VX400-MS-DDUP	Keysight Vision X 400G. deduplication feature perpetual license. MUST run in conjunction with MobileStack GTP correlation, requires LIC-VX400-MS2C. Max (1) per chassis (993-0642)

LIC-VX400-MS-TRIM	Keysight Vision X 400G. packet trimming feature perpetual license. MUST run in conjunction with MobileStack GTP correlation, requires LIC-VX400-MS2C. Max (1) per chassis (993-0645)
LIC-VX400-MS-TMSP	Keysight Vision X 400G. timestamping feature perpetual license. MUST run in conjunction with MobileStack GTP correlation, requires LIC-VX400-MS2C. Max (1) per chassis (993-0643)
LIC-VX400-MS-TRAL	Keysight Vision X 400G. add trailer with original packet length feature perpetual license. MUST run in conjunction with MobileStack GTP correlation, requires LIC-VX400-MS2C. Max (1) per chassis (993-0644)
LIC-VX400-MSMD	Keysight Vision X 400G. MobileStack perpetual feature. MobileStack Metadata Generation support per CPU on MVX-AM4PC module. Max (2) per module (993-0635)

Accessories Vision X 400G

Part Number	Description
MVX-DCPS	Keysight Vision X, (1) DC power supply
MVX-ACPS	Keysight Vision X, (1) AC power supply
MVX-FAN	Keysight Vision X, (1) FAN module
MVX-CBLM	Keysight Vision X, (1) cable management
MVX-SBF	Keysight Vision X, (1) Smart Blank (Front)
MVX-SBR	Keysight Vision X, (1) Smart Blank (Rear)

Support

Keysight's Visibility industry-best products are backed by our industry-leading expertise. Our comprehensive product support does more than ensure uptime – it ensures a competitive edge. The Ixia support team partners with customers to:

- Avoid downtime and keep schedules on track
- Implement according to industry specifications
- Develop best practices to meet individual needs and objectives
- Maximize efficiency and reduce operating expenses
- Protect and maximize investments in test and visibility

In addition to above, Keysight customers registering for the secure area and access to the Support Site will also be able to view and download our product Security Advisories.

[Access Keysight Visibility Support](#)

About Keysight Visibility

Connect and Secure the World with Dynamic Network Intelligence

The need for always-on networks is pervasive, and expectations are high when it comes to keeping them connected and secure. As technologies advance, edge computing, cloud environments, sophisticated security threats, increasing bandwidth requirements, and demanding compliance regulations make it challenging to extract actionable insight from your network.

Keysight can help. Customers rely on our solutions to deliver rich data about network traffic, applications, and users across any networking environment. This deep insight is what we call dynamic network intelligence. It helps you continuously innovate, meet aggressive service level agreements, and keep applications running smoothly and securely.

[Learn more about Keysight Visibility Solutions](#)



Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at www.keysight.com.

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