

GigaVUE HC Series

Scalable Traffic Intelligence for Small to Large Enterprises and Service Providers

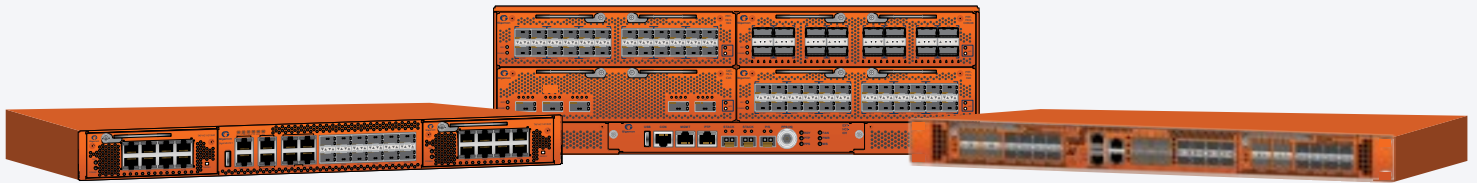


Figure 1. The GigaVUE HC Series consists of three models: GigaVUE-HC1, GigaVUE-HC1-Plus, and GigaVUE-HC3.

Key Benefits

Management, Integration, and Installation

- Small footprint with low space, power, and cooling needs
- Modular for flexibility and scalability as needs change
- Rapid programmatic response to detectable events
- Advanced integration with tools, controllers, and other infrastructure systems

Traffic Forwarding for Network and Security Operations

- Optimize the delivery of your network traffic to your monitoring and security tools, enabling:
 - Eliminating contention for network data access
 - Targeting specific flows to specific tools with network and application awareness
 - Sharing traffic load across multiple tools' instances, even for encapsulated traffic

- Selectively aggregate and replicate traffic at line rate
- Optimize the content of the delivered traffic, enabling:
 - Removing duplicate packets
 - Feeding non-packet-based tools with flow and/or rich metadata
 - Removing unwanted/undesirable protocol headers and/or payload content
 - Obfuscating private or sensitive data
- Reuse existing tools for current and new network links
- Scale network coverage and tool deployment with continuous visibility

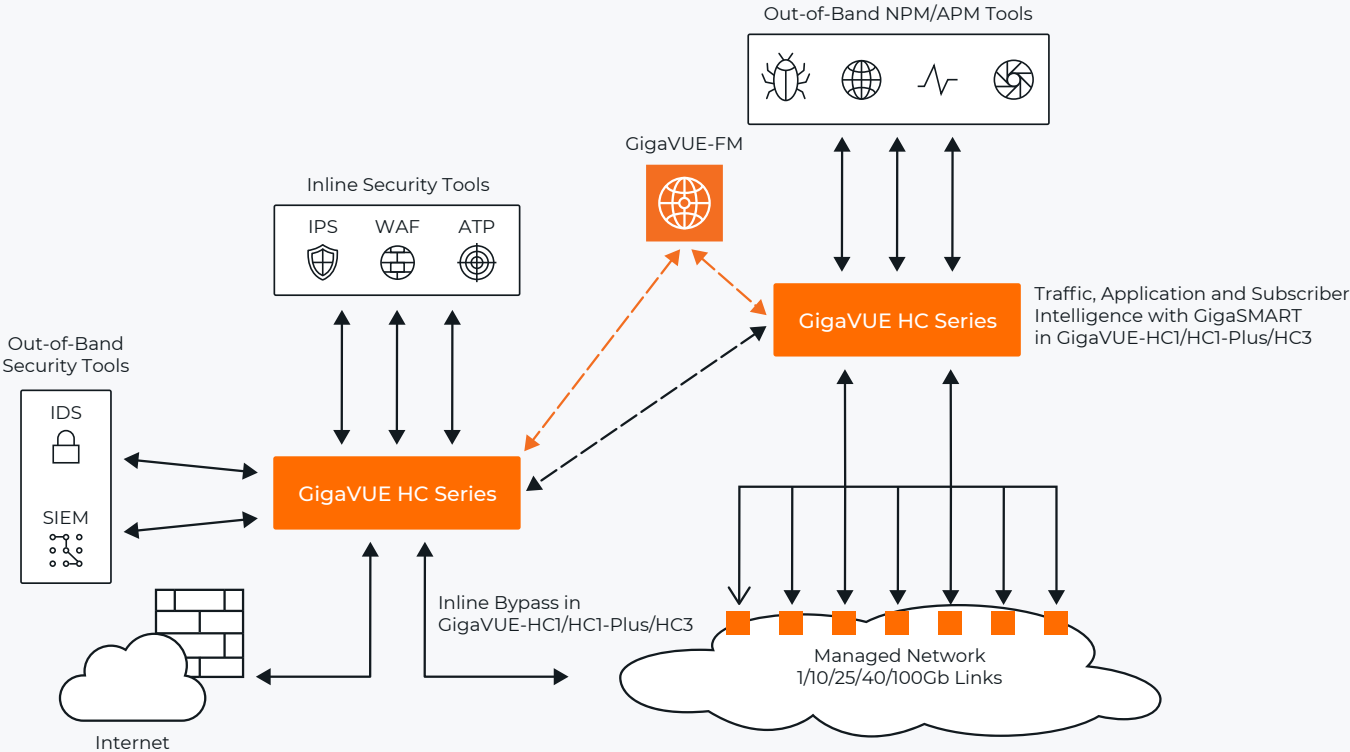


Figure 2. GigaVUE HC Series is used to provide visibility for active and passive security as well as network and application monitoring.

As a key product family within the Gigamon Deep Observability Pipeline, the GigaVUE HC series enables comprehensive traffic and security intelligence at scale. These next-generation network packet brokers are an ideal choice to enhance your security and monitoring solutions.

Offering up to 25Tbps of traffic intelligence across 32 clustered nodes, the GigaVUE HC series enables greater network traffic visibility into data in motion, minimizes traffic overloads, and provides more effective options for deploying both inline and out-of-band security and monitoring tools.

The GigaVUE HC Series Models

GigaVUE-HC1

A 1RU form factor that meets the needs of remote and small branch offices.



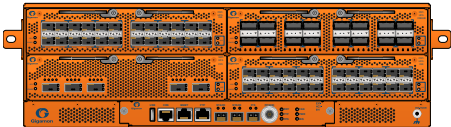
GigaVUE-HC1-Plus

A 1RU form factor that enables traffic intelligence at scale for security and monitoring solutions.



GigaVUE-HC3

A 3RU form factor that offers traffic intelligence at scale to meet the demands of large enterprises and service providers.



Key Features and Benefits

<p>Network and Traffic Access</p>	<p>Three modular chassis models with port speed and media options:</p> <ul style="list-style-type: none"> • 100Mb, 1000Mb, and 10Gb copper • 1Gb, 10Gb, 25Gb, 40Gb, and 100Gb multimode and single-mode fiber <p>Compatible with SFP, SFP+, QSFP+, and QSFP28 MSA-compliant transceivers, as offered by Gigamon</p> <ul style="list-style-type: none"> • Scale from low- to high-density systems: <ul style="list-style-type: none"> – Cost-effective for only what is needed – Increased flexibility <hr/> <p>Port configurability:</p> <ul style="list-style-type: none"> • Full flexibility in selecting ports as ingress, intermediate, interconnect, or egress functions • Unidirectional and bi-directional ports • Tunneling (e.g., L2GRE, ERSPAN, TCP, VXLAN) • Enable agile response to changes in monitoring infrastructure and monitoring needs • Facilitate passive out-of-band and active inline monitoring via the same HC node • Allow virtualized traffic to be accessed, or backhauled between locations, over an IP network – and with reliable delivery (using TCP)
<p>Core Intelligence</p>	<p>Flow Mapping®:</p> <ul style="list-style-type: none"> • Aggregation and replication <ul style="list-style-type: none"> – Selective any-to-any port mapping • Filtering <ul style="list-style-type: none"> – Layer 2 to 7 rules – Ingress aggregate and egress • Load balancing <ul style="list-style-type: none"> – Layers 2 to 4 hashing criteria – Session stickiness • Access traffic from any link to any tool, even for different link rates • Remove issues with asymmetric routing and link aggregation (LAG) • Optimize tools by forwarding only traffic of interest or dropping traffic not of interest • Spread load across multiple tool instances of same type

Core Intelligence cont'd	<p>Inline Bypass:</p> <ul style="list-style-type: none"> • Optional physical bypass for 100M/1G/10G/25G/40G/100G link rates and copper/fiber (multimode, single mode) media types • Aggregate multiple network segments • Filter and load balance toward inline applications/tools • Easily configure simple and complex tool chains • Customizable heartbeat packets for positive (through-path) and negative (block) tests • Remove multiple points of network failure • Provide full visibility for each inline security tool type (e.g., IPS, WAF) • Easily deploy security in layers solutions, for both active and passive scenarios • Seamlessly migrate tools from passive out-of-band to active inline mode • Reduce likelihood of network impact due to malfunctioning active inline tools <hr/> <p>VLAN port tagging</p> <ul style="list-style-type: none"> • Pinpoint source of traffic <hr/> <p>MAC address modification</p> <ul style="list-style-type: none"> • Obscure original MAC information to meet privacy needs with retained ability to distinguish traffic sources • Allow certain tool types to ingest traffic that meets specific MAC address requirements
Traffic Intelligence	<p>Adaptive Packet Filtering, Advanced Load Balancing, De-duplication, Header Stripping, Masking, NetFlow Generation, Slicing, Advanced Tunneling, Advanced Flow Slicing</p> <p>Refer to the GigaSMART® data sheet found here</p>
Application Intelligence	<p>Application Filtering, Application Metadata, Video Data Records</p> <p>Refer to the GigaSMART data sheet found here</p>
Subscriber Intelligence	<p>5G Correlation, GTP Correlation, Subscriber-Aware Load Balancing, Subscriber-Aware Sampling, Subscriber-Aware Forward-Listing</p> <p>Refer to the GigaSMART data sheet found here</p>
Security Intelligence	<p>TLS/SSL Decryption</p> <p>Refer to the TLS/SSL Decryption feature brief found here</p>

Management	<p>Local and remote management using:</p> <ul style="list-style-type: none"> • Command line interface (CLI) • Telnet/SSH • XML API (HTTP/HTTPS) • Fabric manager (HTTP/HTTPS) • SNMP (v1, v2, v3) • Syslog • Easy to manage via CLI for users already familiar with Cisco • Easy integration with applications using CLI or RESTful API • Support SDN paradigm • Manage and orchestrate from single pane of glass • Alerts can be received by any syslog server or SNMP manager <hr/> <p>User access:</p> <ul style="list-style-type: none"> • Role-based access control (RBAC) <ul style="list-style-type: none"> – Multi-tenant user access – Flexible user/role-defined privileges, screen views, and access • AAA security with local and remote authentication (LDAP, RADIUS, TACACS+) • Automatic Certificate Management Environment (ACME) • Adhere to corporate IT security policies • Meet corporate IT authentication policy • Automates updating of authentication certificates from an enterprise's certificate management and repository systems
System	<p>Field-replaceable hardware:</p> <ul style="list-style-type: none"> • Port modules • Hot-swappable AC and DC power supplies • Fan trays • Control card • Achieve five-nines highly available uptime • Without needing to replace or remove the chassis, you can: <ul style="list-style-type: none"> – Scale as needs change – Upgrade features and capabilities

System cont'd	Metrics and statistics: <ul style="list-style-type: none"> • Management CPU resources • Switching ASIC resources • Port utilization • Flow map throughput • Facilitate troubleshooting • Guide capacity planning and traffic forward rules
----------------------	---

Chassis Maximum Capabilities

Attribute	GigaVUE-HC1	GigaVUE-HC1-Plus	GigaVUE-HC3
Size	Small (1RU)	Small (1RU)	Large (3RU)
Throughput	604Gbps	1.8Tbps	6.4Tbps
No. of Port Modules	2	2	4
No. of GigaSMART Modules	3 (2 front, 1 built-in)	3 (2 front, 1 built-in)	4 (front)
No. of GigaSMART Engines	3	3	8 (2 per module)

No. of Ports and Speeds

10/100Mb	32 (4 built-in RJ45)	–	–
1Gb	40 (12 built-in SFP+ and 4 built-in RJ45)	32 (8 built-in SFP28)	–
10Gb	60* (12 built-in SFP+)	72* (8 built-in SFP28 and 4 built-in QSFP28)	128*
25Gb	–	72* (8 built-in SFP28 and 4 built-in QSFP28)	128*
40Gb	8	12 (4 built-in QSFP28)	64
100Gb	–	12 (4 built-in QSFP28)	64
Physical bypass options	10/100/1000Mb copper, 1/10Gb SX/SR fiber	1/10Gb SX/SR fiber, 1/10Gb LX/LR fiber 1000Mb copper	40/100Gb SR4 fiber, 10/25Gb SR fiber (using breakout), 40/100Gb LR4 fiber

* Maximum density requires using port breakout, such as G-TAP PNL-M341

Maximum Capabilities: Filter Entries

Filtering Type Attribute	GigaVUE-HC1	GigaVUE-HC1-Plus	GigaVUE-HC3
Flow Mapping filtering (per slot)	16k	18k	6k
Egress filtering (per slot)	448	448	448
Slots per chassis	1	2	4

Field Swappable Port and GigaSMART Modules

	Product	Description
GigaVUE-HC1 Modules	PRT-HC1-X12	12 x 1Gb/10Gb (SFP/SFP+) ports
	PRT-HC1-Q04X08	4 x 40Gb (QSFP+) and 8 x 1Gb/10Gb (SFP/SFP+) ports <ul style="list-style-type: none"> • QSFP+ port modes: 1 x 40Gb or 4 x 10Gb
	BPS-HC1-D25A24	1Gb/10Gb Bypass combo module <ul style="list-style-type: none"> • 2 pairs of SX/SR 50/125µm Bypass + 4 x 10Gb/1Gb (SFP+/SFP) ports • 100Mb/1000Mb embedded
	TAP-HC1-G10040	TAP and Bypass module <ul style="list-style-type: none"> • 4 pairs of copper (RJ-45) TAP or Bypass • Each pair can be individually configured as TAP or Bypass • 100Mb/1000Mb embedded
	SMT-HC1-S	Third-generation GigaSMART front module with: <ul style="list-style-type: none"> • One GigaSMART engine • No front ports Refer to the GigaSMART data sheet found here for more information

	Product	Description
GigaVUE-HC1-Plus Modules	BPS-HC1-D25A60	1Gb/10Gb Bypass module <ul style="list-style-type: none"> • 6 pairs of SX/SR MM 50/125µm Bypass
	BPS-HC1-D35C60	1Gb/10Gb Bypass module <ul style="list-style-type: none"> • 6 pairs of LX/LR SM Bypass
	PRT-HC1-Q04X08	4 x 40Gb/100Gb (QSFP28) and 8 x 1Gb/10Gb/25Gb (SFP28) ports <ul style="list-style-type: none"> • QSFP28 port modes: 1 x 40Gb/100Gb or 4 x 10Gb/25Gb
	PRT-HC1-X12	12 x 1Gb/10Gb (SFP/SFP+) ports
	TAP-HC1-G10040	TAP and Bypass module <ul style="list-style-type: none"> • 4 pairs of copper (RJ-45) TAP or Bypass • Each pair can be individually configured as TAP or Bypass • 1000Mb embedded
	SMT-HC1-S	Third-generation GigaSMART front module with: <ul style="list-style-type: none"> • One GigaSMART engine • No front ports Refer to the GigaSMART data sheet found here for more information

	Product	Description
GigaVUE-HC3 Modules	PRT-HC3-C16 ²	16 x 100Gb/40Gb (QSFP28/QSFP+) ports module <ul style="list-style-type: none"> • Port modes: 1 x 100Gb/40Gb, 4 x 25Gb¹, or 4 x 10Gb¹
	PRT-HC3-C08Q08	8 x 100Gb/40Gb QSFP28 ports module <ul style="list-style-type: none"> • Port modes: 1 x 100Gb, 2 x 40Gb, 4 x 25Gb^{1,2}, or 4 x 10Gb¹
	PRT-HC3-X24	24 x 25Gb ² /10Gb (SFP28/SFP+) ports module <ul style="list-style-type: none"> • Port modes: 1 x 25Gb/10Gb
	BPS-HC3-C25F2G	100Gb/40Gb/25Gb/10Gb Bypass combo module <ul style="list-style-type: none"> • 2 x 100Gb/40Gb SR4 Bypass pairs • Up to 8 x 10Gb SR Bypass pairs • 16 x 25Gb²/10Gb (SFP28/SFP+) ports
	BPS-HC3-Q35C2G	40Gb/25Gb/10Gb Bypass combo module <ul style="list-style-type: none"> • 2 x 40Gb LR4 Bypass pairs • 16 x 25Gb²/10Gb (SFP28/SFP+) ports
	BPS-HC3-C35C2G	100Gb/40Gb/25Gb/10Gb Bypass combo module <ul style="list-style-type: none"> • 2 x 100Gb LR4 Bypass pairs • 16 x 25Gb²/10Gb (SFP28/SFP+) ports
	SMT-HC3-C05	Second-generation GigaSMART front module with: <ul style="list-style-type: none"> • Two Gen2 GigaSMART engines • 5 x 100Gb/40G (QSFP28) ports • Port modes: 1 x 100Gb, 1 x 40Gb, 4 x 25Gb^{1,2}, or 4 x 10Gb¹ Refer to the GigaSMART data sheet found here for more information
	SMT-HC3-C08 ²	Third-generation GigaSMART front module with: <ul style="list-style-type: none"> • Two Gen3 GigaSMART engines • 8 x 100Gb/40G (QSFP28) ports • Port modes: 1 x 100Gb, 1 x 40Gb, 4 x 25Gb^{1,2}, or 4 x 10Gb¹ Refer to the GigaSMART data sheet found here for more information

¹ Requires MPO-to-4xLC breakout cable or the PNL-M341 or PNL-M343 modules for G-TAP M Series

² Requires Control Card version 2 (CTL-HC3-002)

Physical Dimensions and Weights

Product	Name	Height	Width	Depth	Weight
GigaVUE-HC1	GigaVUE-HC1 base chassis (includes built-in second-generation GigaSMART engine)	1.75in (4.5cm)	17.26in (43.85cm) without ears	19.5in (495mm) With PSU handle and card ejector: 20.92in (53.18 cm)	20.88lbs (9.47kg) With ears: 21.12lbs (9.58kg)
	PRT-HC1-X12 module	1.6in (4.10cm)	4.65in (11.8cm)	10.13in (24.98cm)	1.50lbs (0.68kg)
	PRT-HC1-Q04X08 module	1.6in (4.10cm)	4.65in (11.8cm)	10.13in (24.98cm)	1.50lbs (0.68kg)
	BPS-HC1-D25A24 module	1.6in (4.10cm)	4.65in (11.80cm)	10.13in (24.98cm)	2.2lb (0.99kg)
	TAP-HC1-G10040 module	1.6in (4.10cm)	4.65in (11.8cm)	10.13in (24.98cm)	1.50lbs (0.68kg)
	SMT-HC1-S module	1.6in (4.10cm)	4.65in (11.80cm)	10.13in (24.98cm)	2.54lb (1.15kg)
GigaVUE-HC1-Plus	GigaVUE-HC1-Plus base chassis (includes built-in third-generation GigaSMART engine)	1.7in (4.32cm)	17.0in (43.18cm) without ears	23.0in (58.4cm)	33.8lbs (15.36kg)
	BPS-HC1-D25A60 module	1.6in (4.06cm)	4.65in (11.8cm)	10.13in (24.98cm)	2.2lb (0.99kg)
	BPS-HC1-D35C60 module	1.6in (4.06cm)	4.65in (11.8cm)	10.13in (24.98cm)	2.2lb (0.99kg)
	PRT-HC1-Q04X08 module	1.6in (4.06cm)	4.65in (11.8cm)	10.13in (24.98cm)	1.50lbs (0.68kg)
	PRT-HC1-X12 module	1.6in (4.06cm)	4.65in (11.8cm)	10.13in (24.98cm)	1.50lbs (0.68kg)
	SMT-HC1-S module	1.6in (4.06cm)	4.65in (11.80cm)	10.13in (24.98cm)	2.54lb (1.15kg)

Product	Name	Height	Width	Depth	Weight
GigaVUE-HC3	GigaVUE-HC3 base chassis	3RU 5.25in (13.34cm)	17.26in (43.85cm) without ears	29.1in (74.0cm) without cable management 33.5in (85.0cm) with cable management	88.0lbs (40.00kg)
	PRT-HC3-C16 module	1.9in (4.7cm)	8.5in (21.7cm)	16.1in (41.0cm)	6.00lbs (2.72kg)
	PRT-HC3-C08Q08 module	1.9in (4.7cm)	8.5in (21.7cm)	16.1in (41.0cm)	2.40lbs (1.09kg)
	PRT-HC3-X24 module	1.9in (4.7cm)	8.5in (21.7cm)	16.1in (41.0cm)	2.12lbs (0.96kg)
	BPS-HC3-C25F2G module	1.9in (4.7cm)	8.5in (21.7cm)	16.1in (41.0cm)	6.40lbs (2.90kg)
	BPS-HC3-Q35C2G module	1.9in (4.7cm)	8.5in (21.7cm)	16.1in (41.0cm)	6.05lbs (2.74kg)
	BPS-HC3-C35C2G module	1.9in (4.7cm)	8.5in (21.7cm)	16.1in (41.0cm)	6.05lbs (2.74kg)
	SMT-HC3-C05 module	1.9in (4.7cm)	8.5in (21.7cm)	16.1in (41.0cm)	4.40lbs (2.00kg)
	SMT-HC3-C08 module	1.9in (4.7cm)	8.5in (21.7cm)	16.1in (41.0cm)	4.40lbs (2.00kg)

Power Specifications

Product Line	Component	Specifications
GigaVUE-HC1	Power configurations	<ul style="list-style-type: none"> • 1 + 1 power: 2 power supply modules • Hot-swappable
	Max power consumption/heat output	<ul style="list-style-type: none"> • 360 watts; 1227.6 BTU/hr • Fully populated system with all ports at 100 percent traffic load
	AC power supply modules	<ul style="list-style-type: none"> • Min/max voltage: 100V–127V AC, 200V–240V AC, 50/60Hz • Max PSM input current: 5.8A @ 100V, 2.9A @ 200V
	DC power supply modules	<ul style="list-style-type: none"> • Min/max voltage: -40.5V to -60V DC • Max PSM input current: 24A @ -40.5V
GigaVUE-HC1-Plus	Power configurations	<ul style="list-style-type: none"> • 1 + 1 power: 2 power supply modules • Hot-swappable
	Max power consumption/heat output	<ul style="list-style-type: none"> • 650 watts; 2,216 BTU/hr • Fully populated system with all ports at 100 percent traffic load
	AC power supply modules	<ul style="list-style-type: none"> • Min/max voltage: 100–127 V AC, 200–240 V AC, 50/60Hz • Max PSM input current: 7A @ 100V, 3.5A @ 200V
	DC power supply modules	<ul style="list-style-type: none"> • Min/max voltage: -40.5 to -60 V DC • Max PSM input current: 20A @ -40.5V
GigaVUE-HC3	Power configurations	<ul style="list-style-type: none"> • 1 + 1 power: 2 power supply modules • 2 + 2 power: 4 power supply modules • Hot-swappable
	Max power consumption/heat output	<ul style="list-style-type: none"> • 1850 watts; 6312.4 BTU/hr (Control Card version 1) • 2000 watts; 6824.3 BTU/hr (Control Card version 2) • Fully populated system with all ports at 100 percent traffic load
	AC power supply modules	<ul style="list-style-type: none"> • Min/max voltage: 100V–115V AC, 200V–240V AC, 50/60Hz • Max PSM input current: 14A @ 100V, 10A @ 200V
	DC power supply modules	<ul style="list-style-type: none"> • Min/max voltage: -40V to -72V DC • Max PSM input current: 48A @ -40V

Environmental Specifications

Aspect	Specifications
Operating temperature	32° F to 104° F (0° C to 40° C)
Operating relative humidity	20 to 80 percent, non-condensing
Recommended storage temperature	-4° F to 158° F (-20° C to 70° C)
Recommended storage relative humidity	15 to 85 percent, non-condensing
Altitude	Systems: Up to 13,000 ft (3.96km) Power Supply Modules: Up to 10,000 ft (3.05km)

Compliance

	Product	Description
Safety	HC1, HC3	CSA C22.2 60950-1-07; IEC 60950-1; EN 62368-1
	HC1-Plus	UL623681-1/CSA C22.2 No. 62368-1
Emissions	HC1	FCC Part 15, Class A; VCCI Class A; EN55032/EN55035/ CISPR-32 Class A; Australia/New Zealand AS/NZS CISPR-22 Class A; RCM; EU: CE Mark EN 55032 Class A, China CCC, Taiwan BSMI, Korea KCC, Russia EAC, Brazil Anatel
	HC1-Plus, HC3	FCC Part 15, Class A; VCCI Class A; CISPR-32 Class A; Australia/New Zealand AS/NZS CISPR-22 Class A; EU:CE Mark EN 55032, EN 55035. Class A; Taiwan BSMI, Korea KCC, Russia EAC ³ , Brazil Anatel ³
Immunity	HC1, HC1-Plus	ETSI EN300 386 V1.3.2, EN61000-4-2, EN 61000-4-3, 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-3-2
	HC3	ETSI EN300 386 V1.6.1:2012; EN61000-3-2; EN61000-3-3; EN61000-4-2; EN61000-4-3; EN61000-4-4; EN61000-4-5; EN61000-4-6; EN61000-4-8; EN61000-4-11
Environment	HC1, HC1-Plus	RoHS 6: EU directive 2002/95/EC
	HC3	EU RoHS 6, EU Directive 2011/65/EU; 2006/1907/EC (REACH); ISTA 2A
NEBS	HC1, HC3	Level 3
Certifications	HC1, HC1-Plus, HC3	FIPS 140-2, UC APL, Common Criteria, USGv6r1

³ Currently not supported on HC1-Plus

Ordering Information: GigaVUE-HC1

Legacy Model

Product Category	Part Number	Description
HC1 Base Unit	GVS-HC101	GigaVUE-HC1 node, 12 1G/10G cages, 4 10/100/1000M copper, fan tray, 2 power supplies, AC power
	GVS-HC101-SUB	Subscription price for GVS-HC101 (GigaVUE-HC1 chassis, 12 1G/10G cages, 4 10/100/1000M copper, fan tray, 2 power supplies, AC power). Includes 24x7 Elite Support. Available only in U.S.
	GVS-HC102	GigaVUE-HC1 node, 12 1G/10G cages, 4 10/100/1000M copper, fan tray, 2 power supplies, DC power
HC1 Modules	BPS-HC1-D25A24	Bypass Combo Module, GigaVUE-HC1-Plus, GigaVUE-HC1, 2 SX/SR 50/125 BPS pairs, 4 10G SFP+ cages
	TAP-HC1-G10040	TAP and Bypass module, GigaVUE-HC1, 10/100/1000M copper, 4 TAPs or BPC pairs
	PRT-HC1-X12	Port Module, GigaVUE-HC1-Plus, GigaVUE-HC1, 12x10G SFP+ cages
	PRT-HC1-Q04X08	Port module, GigaVUE-HC1-Plus and GigaVUE-HC1. On GigaVUE-HC1, the port speeds are 4 x 40G (QSFP+), 8x10G (SFP+). On GigaVUE-HC1-Plus, the port speeds are 4 x 100G (QSFP28), 8 x 25G (SFP28).
	SMT-HC1-S	Generation 3 GigaSMART module on GigaVUE-HC1-Plus and GigaVUE-HC1. Includes Slicing, Masking, and Source Port ID Software (only works with feature licenses and bundles that have a 'SMT-HC1-Gen3' prefix).
	SMT-HC1-S-SUB	Subscription price for Generation 3 GigaSMART module on GigaVUE-HC1 (SMT-HC1-S). Covered by Insight Sensor Elite 24x7x365. Support policy, price of which is included in the list price for corresponding SKU. Available only in U.S. (only works with feature licenses and bundles that have a 'SMT-HC1-Gen3' prefix).
HC1 GigaSMART Licenses		Refer to the GigaSMART data sheet found here for more information.
HC1 Fan and Power Supplies	FAN-TAXQ0	GigaVUE-TA10, TA40, HC1 fan assembly, each (2 required on TA10, 3 on TA40 and HC1)
	PWR-TAXQ1	Power supply module, GigaVUE-TA10, TA40, or HC1, AC, each
	PWR-TAXQ2	PWR-TAXQ2

Software-Centric Model

Product Category	Part Number	Description
HC1 Base Hardware	GVS-HC101-HW	GigaVUE-HC1 chassis, 12 1G/10G cages, 4 10/100/1000M copper, fan tray, 2 power supplies, AC power. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	GVS-HC101-SW-TM	GigaVUE-OS Term Software License for GVS-HC101-HW. Includes Elite-Plus Software Support Program. (EOS Feb. 28, 2023)
	GVS-HC102-HW	GigaVUE-HC1 chassis, 12 1G/10G cages, 4 10/100/1000M copper, fan tray, 2 power supplies, DC power. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	GVS-HC102-SW-TM	GigaVUE-OS Term Software License for GVS-HC102-HW. Includes Elite-Plus Software Support Program. (EOS Feb. 28, 2023)
	GVS-HC100-SW-TM	GigaVUE-OS Term Software License for GigaVUE-HC1 (GVS-HC101-HW or GVS-HC102-HW). Includes Elite-Plus Software Support Program.
HC1 Hardware Modules	PRT-HC1-X12-HW	Port Module, GigaVUE-HC1-Plus, GigaVUE-HC1, 12x10G SFP+ cages. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	PRT-HC1-X12-SW-TM	GigaVUE-OS Term Software License for PRT-HC1-X12-HW. Includes Elite Software Support Program.
	PRT-HC1-Q04X08-HW	Port module, GigaVUE-HC1-Plus and GigaVUE-HC1. On GigaVUE-HC1, the port speeds are 4 x 40G (QSFP+), 8x10G (SFP+). On GigaVUE-HC1-Plus, the port speeds are 4 x 100G (QSFP28), 8 x 25G (SFP28). Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	PRT-HC1-Q04X08-SW-TM	GigaVUE-OS Term Software License for PRT-HC1-Q04X08-HW. Includes Elite Software Support Program.
	BPS-HC1-D25A24-HW	Bypass Combo Module, GigaVUE-HC1-Plus, GigaVUE-HC1, 2 SX/SR 50/125 BPS pairs, 4 10G SFP+ cages. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	BPS-HC1-D25A24-SW-TM	GigaVUE-OS Term Software License for BPS-HC1-D25A24-HW. Includes Elite Software Support Program.

Product Category	Part Number	Description
HCI Hardware Modules cont'd	TAP-HCI-G10040-HW	TAP and Bypass module, GigaVUE-HCI, 10/100/1000M Copper, 4 TAPs or Bypass pairs. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	TAP-HCI-G10040-SW-TM	GigaVUE-OS Term Software License for TAP-HCI-G10040-HW. Includes Elite Software Support Program.
	SMT-HCI-S-HW	Gen3 GigaSMART, GigaVUE-HCI-Plus and GigaVUE-HCI, Module. Includes Slicing, Masking, and Source Port ID Software (only works with feature licenses & bundles that have a 'SMT-HCI-Gen3' prefix). Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	SMT-HCI-S-SW-TM	GigaVUE-OS Term Software License for SMT-HCI-S-HW. Includes Elite Software Support Program, Slicing, Masking, and Source Port ID Software (only works with feature licenses and bundles that have a 'SMT-HCI-Gen3' prefix).
HCI GigaSMART Licenses		Refer to the GigaSMART data sheet found here for more information.

Ordering Information: GigaVUE-HC1-Plus

Legacy Model

Product Category	Part Number	Description
HC1-Plus Base Unit	GVS-HC1P1	GigaVUE-HC1-Plus chassis, 8 1/10/25G cages, 4 40/100G cages, built-in Gen3 GigaSMART (includes Slicing, Masking, Source Port, and GigaVUE Tunneling Decapsulation software), fan tray, 2 power supplies, AC power
	GVS-HC1P2	GigaVUE-HC1-Plus chassis, 8 1/10/25G cages, 4 40/100G cages, built-in Gen3 GigaSMART (includes Slicing, Masking, Source Port, and GigaVUE Tunneling Decapsulation software), fan tray, 2 power supplies, DC power
HC1-Plus Modules	BPS-HC1-D25A60	Bypass module, GigaVUE-HC1-Plus, 6 1/10G SX/SR 50/125 BPS pairs
	BPS-HC1-D35C60	Bypass module, GigaVUE-HC1-Plus, 6 1/10G LX/LR BPS pairs
	BPS-HC1-D25A24	Bypass Combo Module, GigaVUE-HC1-Plus, GigaVUE-HC1, 2 SX/SR 50/125 BPS pairs, 4 10G SFP+ cages
	PRT-HC1-Q04X08	Port module, GigaVUE-HC1-Plus and GigaVUE-HC1. On GigaVUE-HC1, the port speeds are 4 x 40G (QSFP+), 8x10G (SFP+). On GigaVUE-HC1-Plus, the port speeds are 4 x 100G (QSFP28), 8 x 25G (SFP28)
	PRT-HC1-X12	Port module, GigaVUE-HC1, 12x10G/1G SFP+/SFP
	SMT-HC1-S	Generation 3 GigaSMART module on GigaVUE-HC1-Plus and GigaVUE-HC1. Includes Slicing, Masking, and Source Port ID Software (Only works with feature licenses and bundles that have a 'SMT-HC1-Gen3' prefix).
HC1-Plus GigaSMART Licenses		Refer to the GigaSMART data sheet found here for more information.

Software-Centric Model

Product Category	Part Number	Description
HC1-Plus Base Hardware	GVS-HC1P1-HW	GigaVUE-HC1-Plus chassis, 8 1/10/25G cages, 4 40/100G cages, built-in Gen3 GigaSMART, fan tray, 2 power supplies, AC power. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	GVS-HC1P2-HW	GigaVUE-HC1-Plus chassis, 8 1/10/25G cages, 4 40/100G cages, built-in Gen3 GigaSMART, fan tray, 2 power supplies, DC power. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	GVS-HC1P-SW-TM	GigaVUE-OS Term Monthly Software License for GVS-HC1P1-HW or GVS-HC1P2-HW. Includes embedded software (Slicing, Masking, Source Port, GigaVUE Tunneling Decapsulation) and Elite-Plus Software Support Program. Tunneling Decapsulation software), fan tray, 2 power supplies, DC power
HC1-Plus Hardware Modules	BPS-HC1-D25A60-HW	Bypass module, GigaVUE-HC1-Plus, 6 SX/SR 50/125 BPS pairs. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	BPS-HC1-D25A60-SW-TM	GigaVUE-OS Term Software License for BPS-HC1-D25A60-HW. Includes Elite Software Support Program.
	BPS-HC1-D35C60-HW	Bypass module, GigaVUE-HC1-Plus, 6 LX/LR BPS pairs. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	BPS-HC1-D35C60-SW-TM	GigaVUE-OS Term Software License for BPS-HC1-D25C60-HW. Includes Elite Software Support Program.
	BPS-HC1-D25A24-HW	Bypass Combo Module, GigaVUE-HC1-Plus, GigaVUE-HC1, 2 SX/SR 50/125 BPS pairs, 4 10G SFP+ cages. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	BPS-HC1-D25A24-SW-TM	GigaVUE-OS Term Software License for BPS-HC1-D25A24-HW. Includes Elite-Plus Software Support Program.
	PRT-HC1-Q04X08-HW	Port module, GigaVUE-HC1-Plus and GigaVUE-HC1. On GigaVUE-HC1, the port speeds are 4 x 40G (QSFP+), 8x10G (SFP+). On GigaVUE-HC1-Plus, the port speeds are 4 x 100G (QSFP28), 8 x 25G (SFP28). Hardware only. Must pair with appropriate GigaVUE-OS Software License
	PRT-HC1-Q04X08-SW-TM	GigaVUE-OS Term Software License for PRT-HC1-Q04X08-HW. Includes Elite Software Support Program.

Software-Centric Model

Product Category	Part Number	Description
HC1-Plus Hardware Modules cont'd	PRT-HC1-X12-HW	Port module, GigaVUE-HC1, 12x10G SFP+ cages. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	PRT-HC1-X12-SW-TM	GigaVUE-OS Term Software License for PRT-HC1-X12-HW. Includes Elite Software Support Program.
	SMT-HC1-S-HW	Gen3 GigaSMART, GigaVUE-HC1-Plus and GigaVUE-HC1, Module. Includes Slicing, Masking, and Source Port ID software (only works with feature licenses and bundles that have a 'SMT-HC1-Gen3' prefix). Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	SMT-HC1-S-SW-TM	GigaVUE-OS Term Software License for SMT-HC1-S-HW. Includes Elite Software Support Program, Slicing, Masking, and Source Port ID software (only works with feature licenses and bundles that have a 'SMT-HC1-Gen3' prefix).
HC1-Plus GigaSMART Licenses		Refer to the GigaSMART data sheet found here for more information.

Ordering Information: GigaVUE-HC3

Legacy Model

Product Category	Part Number	Description
HC3 Base Unit	GVS-HC301	GigaVUE-HC3 base unit with chassis, Control Card, 5 fan modules, CLI, 2 power supplies, AC power
	GVS-HC302	GigaVUE-HC3 base unit with chassis, Control Card, 5 fan modules, CLI, 2 power supplies, DC power
	GVS-HC3A1	GigaVUE-HC3 base unit with chassis, Control Card v2, 5 fan modules, CLI, 2 power supplies, AC power
	GVS-HC3A2	GigaVUE-HC3 base unit with chassis, Control Card v2, 5 fan modules, CLI, 2 power supplies, DC power
	CTL-HC3-002	Control Card version 2, GigaVUE-HC3, each

Legacy Model

Product Category	Part Number	Description
HC3 Modules	PRT-HC3-C16	Port module, GigaVUE-HC3, 16x100G QSFP28 cages
	PRT-HC3-C08Q08	Port module, GigaVUE-HC3, 8x100G QSFP28 cages and 8x40G QSFP+ cages
	PRT-HC3-X24	Port module, GigaVUE-HC3, 24x10G
	BPS-HC3-C25F2G	Bypass combo module, GigaVUE-HC3, 2x 40/100Gb SR4 BPS pairs, 16x 10G cages
	BPS-HC3-Q35C2G	Bypass combo module, GigaVUE-HC3, 2x 40Gb LR BPS pairs, 16x 10G cages
	BPS-HC3-C35C2G	Bypass combo module, GigaVUE-HC3, 2x 100Gb LR BPS pairs, 16x 10G cages
	SMT-HC3-C05	Gen2 GigaSMART, GigaVUE-HC3, 5x100G QSFP28 cages (includes Slicing, Masking, Source Port, and GigaVUE Tunneling Decapsulation software)
	SMT-HC3-C08	Gen3 GigaSMART, GigaVUE-HC3, 8x100G QSFP28 cages (includes Slicing, Masking, Source Port, and GigaVUE Tunneling Decapsulation software) (only works with feature licenses and bundles that have a 'SMT-HC3-Gen3' prefix)
HC3 GigaSMART Licenses		Refer to the GigaSMART data sheet found here for more information.
HC3 Fan and Power Supplies	FAN-HC300	GigaVUE-HC3 fan assembly, each (5 required)
	PWR-HC301	Power supply module, GigaVUE-HC3, AC (each)
	PWR-HC302	Power supply module, GigaVUE-HC3, DC (each)

Software-Centric Model

Product Category	Part Number	Description
HC3 Base Hardware	GVS-HC3A1-HW	GigaVUE-HC3 base unit w/ chassis, Control Card v2, 5 fan modules, CLI, 2 power supplies, AC power. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	GVS-HC3A1-SW-TM	GigaVUE-OS Term Software License for GVS-HC3A1-HW. Includes Elite-Plus Software Support Program. (EOS Feb. 28, 2023)
	GVS-HC3A2-HW	GigaVUE-HC3 base unit w/ chassis, Control Card v2, 5 fan modules, CLI, 2 power supplies, DC power. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	GVS-HC3A2-SW-TM	GigaVUE-OS Term Software License for GVS-HC3A2-HW. Includes Elite-Plus Software Support Program. (EOS Feb. 28, 2023)
	GVS-HC3A0-SW-TM	GigaVUE-OS Term Software License for GigaVUE-HC3 (GVS-HC3A1-HW or GVS-HC3A2-HW). Includes Elite-Plus Software Support Program.
HC3 Hardware Modules	BPS-HC3-C25F2G-HW	Bypass combo module, GigaVUE-HC3, 2x 40/100Gb SR4 BPS pairs, 16x 10G SFP+ cages. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	BPS-HC3-C25F2G-SW-TM	GigaVUE-OS Term Software License for BPS-HC3-C25F2G-HW. Includes Elite Software Support Program.
	BPS-HC3-Q35C2G-HW	Bypass combo module, GigaVUE-HC3, 2x 40Gb LR BPS pairs, 16x 10G SFP+ cages. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	BPS-HC3-Q35C2G-SW-TM	GigaVUE-OS Term Software License for BPS-HC3-Q35C2G-HW. Includes Elite Software Support Program.
	BPS-HC3-C35C2G-HW	Bypass combo module, GigaVUE-HC3, 2x 100Gb LR BPS pairs, 16x 10G SFP+ cages. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	BPS-HC3-C35C2G-SW-TM	GigaVUE-OS Term Software License for BPS-HC3-C35C2G-HW. Includes Elite Software Support Program.
	PRT-HC3-C08Q08-HW	Port module, GigaVUE-HC3, 8x100G QSFP28 cages and 8x40G QSFP+ cages. Hardware only. Must pair with appropriate GigaVUE-OS Software License.

Software-Centric Model

Product Category	Part Number	Description
HC3 Hardware Modules cont'd	PRT-HC3-C08Q08-SW-TM	GigaVUE-OS Term Software License for PRT-HC3-C08Q08-HW. Includes Elite Software Support Program.
	PRT-HC3-X24-HW	Port module, GigaVUE-HC3, 24x10G SFP+ cages. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	PRT-HC3-X24-SW-TM	GigaVUE-OS Term Software License for PRT-HC3-X24-HW. Includes Elite Software Support Program.
	PRT-HC3-C16-HW	Port module, GigaVUE-HC3, 16x100G QSFP28 cages. Requires Control Card version 2. Hardware only. Must pair with appropriate GigaVUE-OS Software License.
	PRT-HC3-C16-SW-TM	GigaVUE-OS Term Software License for PRT-HC3-C16-HW. Includes Elite Software Support Program.
HC3 Hardware Modules	SMT-HC3-C05-HW	Gen2 GigaSMART, GigaVUE-HC3, module, 5x100G QSFP28 cages. Hardware only. Must pair with appropriate GigaVUE-OS Software License (SMT-HC3-C05-SW prefix).
	SMT-HC3-C05-SW-TM	GigaVUE-OS Term Software License for SMT-HC3-C05-HW. Includes Elite Software Support Program, Slicing, Masking, Source Port, and GigaVUE Tunneling Decapsulation software.
	SMT-HC3-C08-HW	Gen3 GigaSMART, GigaVUE-HC3, module, 8x100G QSFP28 cages. Hardware only. Must pair with appropriate GigaVUE-OS Software License (SMT-HC3-C08-SW prefix).
	SMT-HC3-C08-SW-TM	GigaVUE-OS Term Software License for SMT-HC3-C08-HW. Includes Elite Software Support Program, Slicing, Masking, Source Port, and GigaVUE Tunneling Decapsulation software (only works with feature licenses and bundles that have a 'SMT-HC3-Gen3' prefix).
HC3 GigaSMART Licenses		Refer to the GigaSMART data sheet found here for more information.

Support and Services

Gigamon offers a range of support and maintenance services. For details regarding Gigamon Limited Warranty and its Product Support and Software Maintenance Programs, visit gigamon.com/support-and-services/overview-and-benefits.

About Gigamon

Gigamon offers a deep observability pipeline that harnesses actionable network-derived intelligence to amplify the power of observability tools. This powerful combination helps IT organizations to assure security and compliance governance, speed root-cause analysis of performance bottlenecks, and lower operational overhead associated with managing hybrid and multi-cloud IT infrastructures. The result: modern enterprises realize the full transformational promise of the cloud. Gigamon serves more than 4,000 customers worldwide, including over 80 percent of Fortune 100 enterprises, nine of the 10 largest mobile network providers, and hundreds of governments and educational organizations worldwide. To learn more, please visit gigamon.com.



Worldwide Headquarters

3300 Olcott Street, Santa Clara, CA 95054 USA
+1 (408) 831-4000 | gigamon.com

© 2019-2023 Gigamon. All rights reserved. Gigamon and Gigamon logos are trademarks of Gigamon in the United States and/or other countries. Gigamon trademarks can be found at gigamon.com/legal-trademarks. All other trademarks are the trademarks of their respective owners. Gigamon reserves the right to change, modify, transfer, or otherwise revise this publication without notice.