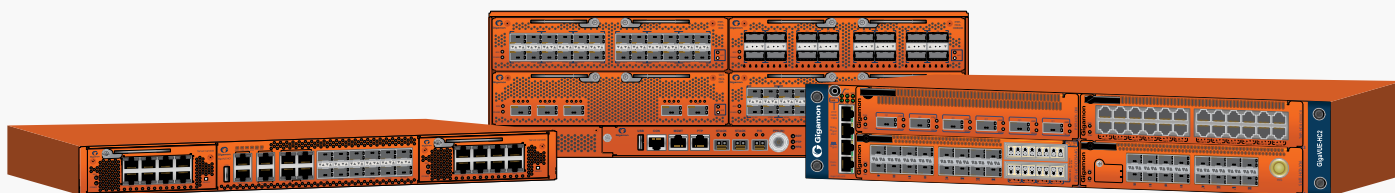


# GigaVUE HC Series

Scalable Traffic Intelligence for Small to Large Enterprises and Service Providers



The GigaVUE HC series consists of three models: GigaVUE-HC1, GigaVUE-HC2, 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

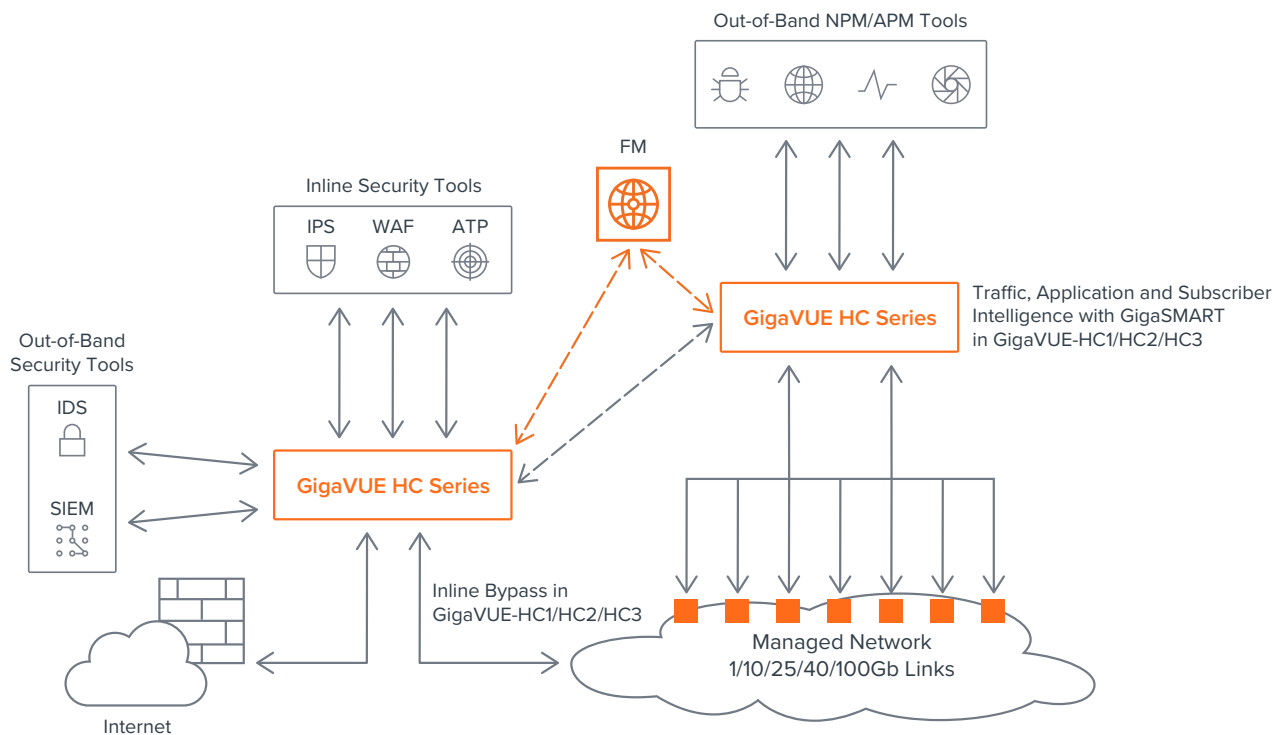
Selectively aggregate and replicate traffic at line rate

Optimize the content of the delivered traffic, enabling:

- Removing duplicate packets
- Feeding non-packet based tools with flow and/or rich meta data
- 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



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 Visibility and Analytics Fabric™, 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



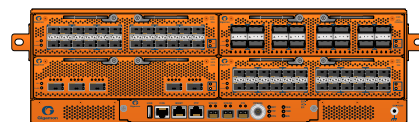
### GigaVUE-HC1

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



### GigaVUE-HC2

A 2RU form factor that enables traffic intelligence at scale for security and monitoring solutions across medium-sized branch offices.



### GigaVUE-HC3

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

## Key Features and Benefits

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network and Traffic Access | <p>Three modular chassis models with port speed and media options:</p> <ul style="list-style-type: none"> <li>• 100Mb, 1000Mb and 10Gb copper</li> <li>• 1Gb, 10Gb, 25Gb, 40Gb and 100Gb multimode and single-mode fiber</li> </ul> <p><i>Compatible with SFP, SFP+, QSFP+ and QSFP28 MSA-compliant transceivers, as offered by Gigamon</i></p>                                                                                                                                                                   | <ul style="list-style-type: none"> <li>• Scale from low to high density systems:             <ul style="list-style-type: none"> <li>– Cost-effective for only what is needed</li> <li>– Increased flexibility</li> </ul> </li> </ul>                                                                                                                                                                                                                         |
|                            | <p>Port configurability:</p> <ul style="list-style-type: none"> <li>• Full flexibility in selecting ports as ingress, intermediate, interconnect or egress functions</li> <li>• Unidirectional and bi-direction ports</li> <li>• Tunneling (e.g. L2GRE, ERSPAN, TCP, VXLAN)</li> </ul>                                                                                                                                                                                                                            | <ul style="list-style-type: none"> <li>• Enable agile response to changes in monitoring infrastructure and monitoring needs</li> <li>• Facilitate passive out-of-band and active inline monitoring via the same HC node</li> <li>• Allow virtualized traffic to be accessed, or backhauled between locations, over an IP network – and with reliable delivery (using TCP)</li> </ul>                                                                         |
| Core Intelligence          | <p>Flow Mapping®:</p> <ul style="list-style-type: none"> <li>• Aggregation and replication             <ul style="list-style-type: none"> <li>– Selective any-to-any port mapping</li> </ul> </li> <li>• Filtering             <ul style="list-style-type: none"> <li>– Layer 2 to 7 rules</li> <li>– Ingress aggregate and egress</li> </ul> </li> <li>• Load-balancing             <ul style="list-style-type: none"> <li>– Layers 2 to 4 hashing criteria</li> <li>– Session stickiness</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>• Access traffic from any link to any tool, even for different link rates</li> <li>• Remove issues with asymmetric routing and link aggregation (LAG)</li> <li>• Optimize tools by forwarding only traffic of interest or dropping traffic not of interest</li> <li>• Spread load across multiple tool instances of same type</li> </ul>                                                                              |
|                            | <p>Inline Bypass:</p> <ul style="list-style-type: none"> <li>• Optional physical bypass for 100M/1G/10G/25G/40G/100G link rates and copper/fiber (multimode, single mode) media types</li> <li>• Aggregate multiple network segments</li> <li>• Filter and load-balance towards inline applications/tools</li> <li>• Easily configure simple and complex tool chains</li> <li>• Customizable heartbeat packets for positive (through-path) and negative (block) tests</li> </ul>                                  | <ul style="list-style-type: none"> <li>• Remove multiple points of network failure</li> <li>• Provide full visibility for each inline security tool type (e.g. IPS, WAF)</li> <li>• Easily deploy security in layers solutions, for both active and passive scenarios</li> <li>• Seamlessly migrate tools from passive out-of-band to active inline mode</li> <li>• Reduce likelihood of network impact due to malfunctioning active inline tools</li> </ul> |
|                            | VLAN port tagging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <ul style="list-style-type: none"> <li>• Pinpoint source of traffic</li> </ul>                                                                                                                                                                                                                                                                                                                                                                               |
|                            | Clustering and Fabric Mapping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <ul style="list-style-type: none"> <li>• Enable resilient traffic forwarding</li> <li>• Manage up to 32 nodes in a cluster as a single virtual node</li> <li>• Enact end-to-end Flow Mapping, across clusters, scaling to hundreds of nodes</li> </ul>                                                                                                                                                                                                       |

|                          |                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Traffic Intelligence     | Adaptive packet filtering, Advanced load-balancing, Deduplication, Header stripping, Masking, NetFlow generation, Slicing, SSL/TLS decryption, Advanced tunneling, Advanced flow slicing                                                                                                                                                                     | Refer to the GigaSMART® datasheet found <a href="#">here</a>                                                                                                                                                                                                                                                                                                                |
| Application Intelligence | Application Filtering, Application Metadata, Video Data Records                                                                                                                                                                                                                                                                                              | Refer to the GigaSMART datasheet found <a href="#">here</a>                                                                                                                                                                                                                                                                                                                 |
| Subscriber Intelligence  | Flow Sampling, GTP Correlation, SIP/RTP Correlation, 5G & CUPS correlation, Subscriber-aware Metadata*                                                                                                                                                                                                                                                       | Refer to the GigaSMART datasheet found <a href="#">here</a>                                                                                                                                                                                                                                                                                                                 |
| Network Detection        | ThreatINSIGHT Sensor                                                                                                                                                                                                                                                                                                                                         | Refer to the GigaSMART datasheet found <a href="#">here</a>                                                                                                                                                                                                                                                                                                                 |
| Management               | Local and remote management using: <ul style="list-style-type: none"> <li>• Command line interface (CLI) (Telnet/SSH)</li> <li>• Web GUI (HTTP/HTTPS)</li> <li>• XML API (HTTP/HTTPS)</li> <li>• Fabric Manager (HTTP/HTTPS)</li> <li>• SNMP (v1, v2, v3)</li> <li>• Syslog</li> </ul>                                                                       | <ul style="list-style-type: none"> <li>• Easy to manage via a web GUI or via CLI for users already familiar with Cisco</li> <li>• Easy integration with applications using CLI or RESTful API</li> <li>• Support SDN paradigm</li> <li>• Manage and orchestrate from single pane of glass</li> <li>• Alerts can be received by any Syslog server or SNMP manager</li> </ul> |
|                          | User access: <ul style="list-style-type: none"> <li>• Role-based Access Control (RBAC)               <ul style="list-style-type: none"> <li>– Multi-tenant user access</li> <li>– Flexible user/role defined privileges, screen views and access</li> </ul> </li> <li>• AAA security with local and remote authentication (LDAP, RADIUS, TACACS+)</li> </ul> | <ul style="list-style-type: none"> <li>• Adhere to corporate IT security policies</li> <li>• Meet corporate IT authentication policy</li> </ul>                                                                                                                                                                                                                             |
| System                   | Field replaceable hardware: <ul style="list-style-type: none"> <li>• Port modules</li> <li>• AC and DC power supplies</li> <li>• Fan trays</li> <li>• Control card</li> </ul>                                                                                                                                                                                | <ul style="list-style-type: none"> <li>• Achieve five nines highly available uptime</li> <li>• Without needing to replace or remove the chassis, you can:               <ul style="list-style-type: none"> <li>– Scale as needs change</li> <li>– Upgrade features and capabilities</li> </ul> </li> </ul>                                                                  |
|                          | Metrics and statistics: <ul style="list-style-type: none"> <li>• Management CPU resources</li> <li>• Switching ASIC resources</li> <li>• Port utilization</li> <li>• Flow map throughput</li> </ul>                                                                                                                                                          | <ul style="list-style-type: none"> <li>• Facilitate troubleshooting</li> <li>• Guide capacity planning and traffic forward rules</li> </ul>                                                                                                                                                                                                                                 |

\* Available with 5.11 release

## Chassis Maximum Capabilities

| ATTRIBUTE                | GIGAVUE-HC1                                 | GIGAVUE-HC2                                                                           | GIGAVUE-HC3                                                                        |
|--------------------------|---------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Size                     | Small (1RU)                                 | Medium (2RU)                                                                          | Large (3RU)                                                                        |
| Throughput               | 604Gbps                                     | 960Gbps                                                                               | 6.4Tbps                                                                            |
| No. of port modules      | 2                                           | 4                                                                                     | 4                                                                                  |
| No. of GigaSMART modules | 3 (2 front, 1 built-in)                     | 5 (4 front, 1 rear)                                                                   | 4 (front)                                                                          |
| No. of GigaSMART engines | 3                                           | 5                                                                                     | 8 (2 per module)                                                                   |
| No. of ports and speeds  |                                             |                                                                                       |                                                                                    |
| 10/100Mb                 | 20 (4 built-in UTP)                         | 72***                                                                                 | -                                                                                  |
| 1Gb                      | 40 (12 built-in SFP+ and 4 built-in UTP)    | 96                                                                                    | -                                                                                  |
| 10Gb                     | 36 (12 built-in SFP+)                       | 96                                                                                    | 128                                                                                |
| 25Gb                     | -                                           | -                                                                                     | 128                                                                                |
| 40Gb                     | 8                                           | 24                                                                                    | 64                                                                                 |
| 100Gb                    | -                                           | 8†                                                                                    | 64                                                                                 |
| Physical bypass options  | 10/100/1000Mb copper,<br>1/10Gb SX/SR Fiber | 10/100/1000Mb copper,<br>1/10Gb SX/SR Fiber,<br>1/10Gb LX/LR Fiber,<br>40Gb SR4 Fiber | 40/100Gb SR4 Fiber,<br>10/25Gb SR Fiber<br>(using breakout),<br>40/100Gb LR4 Fiber |

\*\*\* Using module with SKU TAP-HCO-G100C0

## Field Swappable Port and GigaSMART Modules

|                     | PRODUCT         | DESCRIPTION                                                                                                                                                                                                                   |
|---------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GigaVUE-HC1 Modules | PRT-HC1-X12     | 12 x 1Gb/10Gb (SFP/SFP+) ports                                                                                                                                                                                                |
|                     | PRT-HC1-Q08X04* | 4 x 40Gb (QSFP+) & 8 x 1Gb/10Gb (SFP/SFP+) ports <ul style="list-style-type: none"> <li>QSFP+ Port Modes: 1 x 40Gb or 4 x 10Gb</li> </ul>                                                                                     |
|                     | BPS-HC1-D25A24  | 1Gb/10Gb Bypass combo module <ul style="list-style-type: none"> <li>2 pairs of SX/SR 50/125µm Bypass + 4 x 10Gb/1Gb (SFP+/SFP) ports</li> <li>100Mb/1000Mb embedded</li> </ul>                                                |
|                     | TAP-HC1-G10040  | TAP and Bypass module <ul style="list-style-type: none"> <li>4 pairs of copper (RJ-45) TAP or Bypass</li> <li>Each pair can be individually configured as TAP or Bypass</li> <li>100Mb/1000Mb embedded</li> </ul>             |
|                     | SMT-HC1-S       | Third generation GigaSMART front module with: <ul style="list-style-type: none"> <li>One GigaSMART engine</li> <li>No front ports</li> </ul> Refer to the GigaSMART datasheet found <a href="#">here</a> for more information |
| GigaVUE-HC2 Modules | PRT-HC0-X24     | 24 x 10Gb/1Gb (SFP+/SFP) ports module                                                                                                                                                                                         |
|                     | PRT-HC0-Q06     | 6 x 40Gb (QSFP+) ports module                                                                                                                                                                                                 |
|                     | PRT-HC0-C02     | 2 x 100Gb (QSFP28) ports module <ul style="list-style-type: none"> <li>Supports 100GBASE-SR4</li> <li>PRT-HC0-C02 requires Control Card Version 2</li> <li>40Gb Bypass and 1Gb/10Gb</li> </ul>                                |
|                     | BPS-HC0-Q25A28  | Combo module <ul style="list-style-type: none"> <li>2 pairs of 40G SR4 Bypass + 8 x 10Gb/1Gb (SFP+/SFP) ports</li> <li>1Gb/10Gb Bypass</li> </ul>                                                                             |
|                     | BPS-HC0-D25A4G  | Combo module <ul style="list-style-type: none"> <li>4 pairs of SX/SR 50/125µm Bypass + 16 x 10Gb/1Gb (SFP+/SFP) ports</li> <li>1Gb/10Gb Bypass</li> </ul>                                                                     |
|                     | BPS-HC0-D35C4G  | Combo module <ul style="list-style-type: none"> <li>4 pairs of LX/LR single-mode Bypass + 16 x 10Gb/1Gb (SFP+/SFP) ports</li> <li>1Gb/10Gb Bypass</li> </ul>                                                                  |

\* Available with 5.11 release

|                     |                             |                                                                                                                                                                                                                                                                     |
|---------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GigaVUE-HC2 Modules | TAP-HC0-D25AC0              | TAP module <ul style="list-style-type: none"> <li>• 12 x SX/SR 50/125µm TAP pair</li> <li>• 50/50 split ratio</li> <li>• 1Gb/10Gb embedded</li> </ul>                                                                                                               |
|                     | TAP-HC0-D25BC0              | TAP module <ul style="list-style-type: none"> <li>• 12 x SX/SR 62.5/125µm TAP pair</li> <li>• 50/50 split ratio</li> <li>• 1Gb/10Gb embedded</li> </ul>                                                                                                             |
|                     | TAP-HC0-D35CC0              | TAP module <ul style="list-style-type: none"> <li>• 12 x LX/LR TAP pair</li> <li>• 50/50 split ratio</li> <li>• 1Gb/10Gb embedded</li> </ul>                                                                                                                        |
|                     | TAP-HC0-G100C0              | TAP and Bypass module <ul style="list-style-type: none"> <li>• 12 x copper (RJ-45) TAP or Bypass pair</li> <li>• Each pair can be individually configured as TAP or Bypass</li> <li>• 100Mb/1000Mb embedded</li> </ul>                                              |
|                     | SMT-HC0-Q02X08 <sup>1</sup> | Second generation GigaSMART front module with: <ul style="list-style-type: none"> <li>• One GigaSMART engine</li> <li>• 2 x 40Gb (QSFP+), 8 x 10Gb/1Gb (SFP+/SFP) ports</li> </ul> Refer to the GigaSMART datasheet found <a href="#">here</a> for more information |
|                     | SMT-HC0-X16                 | First generation GigaSMART front module with: <ul style="list-style-type: none"> <li>• One GigaSMART engine</li> <li>• 16 x 10Gb/1Gb (SFP+/SFP) ports</li> </ul> Refer to the GigaSMART datasheet found <a href="#">here</a> for more information                   |
|                     | SMT-HC0-R                   | First generation GigaSMART rear module with: <ul style="list-style-type: none"> <li>• One GigaSMART engine</li> <li>• No ports</li> </ul> Refer to the GigaSMART datasheet found <a href="#">here</a> for more information                                          |

<sup>1</sup> SMT-HC0-Q02X08 requires Control Card Version 2 (CTL-HC0-002)

|                     |                          |                                                                                                                                                                                                                                                                    |
|---------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GigaVUE-HC3 Modules | PRT-HC3-C16 <sup>2</sup> | 16 x 100Gb/40Gb (QSFP28/QSFP+) ports module<br>• Port Modes: 1 x 100Gb/40Gb, 4 x 25Gb <sup>1</sup> or 4 x 10Gb <sup>1</sup>                                                                                                                                        |
|                     | PRT-HC3-C08Q08           | 8 x 100Gb QSFP28 ports module<br>• Port Modes: 1 x 100Gb, 2 x 40Gb, 4 x 25Gb <sup>1,2</sup> or 4 x 10Gb <sup>1</sup>                                                                                                                                               |
|                     | PRT-HC3-X24              | 24 x 25Gb2/10Gb (SFP28/SFP+) ports module<br>• Port Modes: 1 x 25Gb/10Gb                                                                                                                                                                                           |
|                     | BPS-HC3-C25F2G           | 100Gb/40Gb/25Gb/10Gb Bypass combo module<br>• 2 x 100Gb/40Gb SR4 Bypass pairs<br>• Up to 8 x 10Gb SR Bypass pairs<br>• 16 x 25Gb2/10Gb (SFP28/SFP+) ports                                                                                                          |
|                     | BPS-HC3-Q35C2G           | 40Gb/25Gb/10Gb Bypass combo module<br>• 2 x 40Gb LR4 Bypass pairs<br>• 16 x 25Gb2/10Gb (SFP28/SFP+) ports                                                                                                                                                          |
|                     | BPS-HC3-C35C2G           | 100Gb/40Gb/25Gb/10Gb Bypass combo module<br>• 2 x 100Gb LR4 Bypass pairs<br>• 16 x 25Gb2/10Gb (SFP28/SFP+) ports                                                                                                                                                   |
|                     | SMT-HC3-C05              | GigaSMART front module with:<br>• Two GigaSMART engines<br>• 5 x 100Gb QSFP ports<br>• Port Modes: 1 x 100Gb, 1 x 40Gb, 4 x 25Gb <sup>1,2</sup> or 4 x 10Gb <sup>1</sup><br><br>Refer to the GigaSMART® datasheet found <a href="#">here</a> for more information. |

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

<sup>2</sup> Requires Control Card Version 2 (CTL-HC3-002)

## Physical Dimensions and Weights

| PRODUCT     | NAME                                                                               | HEIGHT               | WIDTH                          | DEPTH                                                                             | WEIGHT                                                |
|-------------|------------------------------------------------------------------------------------|----------------------|--------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------|
| GigaVUE-HC1 | GigaVUE-HC1 base chassis<br>(includes built-in second generation GigaSMART engine) | 1.75in (4.5cm)       | 17.26in (43.85cm) without ears | 19.5in (495mm)<br><br>With PSU handle and card ejector: 20.92in (53.18 cm)        | 20.88lbs (9.47kg)<br><br>With ears: 21.12lbs (9.58kg) |
|             | PRT-HC1-X12                                                                        | 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 (.68kg)                                       |
|             | SMT-HC1-S*                                                                         | 1.6in (4.10cm)       | 4.65in (11.80cm)               | 10.13in (24.98cm)                                                                 | 2.54lb (1.15kg)                                       |
| GigaVUE-HC2 | GigaVUE-HC2 base chassis                                                           | 2RU<br>3.5in (8.9cm) | 17.26in (43.85cm) without ears | 24.2in (61.6cm) without cable management<br>27.0in (68.6cm) with cable management | 36.8lbs (16.7kg)                                      |
|             | PRT-HC0-X24 module                                                                 | 1.6in (4.1cm)        | 8.0in (20.3cm)                 | 9.4in (23.8cm)                                                                    | 2.12lbs (0.96kg)                                      |
|             | PRT-HC0-Q06 module                                                                 | 1.6in (4.1cm)        | 8.0in (20.3cm)                 | 9.4in (23.8cm)                                                                    | 2.40lbs (1.09kg)                                      |
|             | PRT-HC0-C02 module                                                                 | 1.6in (4.1cm)        | 8.0in (20.3cm)                 | 9.4in (23.8cm)                                                                    | 2.30lbs (1.09kg)                                      |
|             | BPS-HC0-Q25A28 module                                                              | 1.6in (4.1cm)        | 8.0in (20.3cm)                 | 10.5in (26.7cm)                                                                   | 3.14lbs (1.42kg)                                      |
|             | BPS-HC0-D25A4G module                                                              | 1.6in (4.1cm)        | 8.0in (20.3cm)                 | 10.5in (26.7cm)                                                                   | 3.60lbs (1.63kg)                                      |
|             | BPS-HC0-D25B4G module                                                              | 1.6in (4.1cm)        | 8.0in (20.3cm)                 | 10.5in (26.7cm)                                                                   | 3.60lbs (1.63kg)                                      |
|             | BPS-HC0-D35C4G module                                                              | 1.6in (4.1cm)        | 8.0in (20.3cm)                 | 10.5in (26.7cm)                                                                   | 3.60lbs (1.63kg)                                      |
|             | TAP-HC0-D25AC0 module                                                              | 1.6in (4.1cm)        | 8.0in (20.3cm)                 | 9.4in (23.8cm)                                                                    | 3.50lbs (1.59kg)                                      |
|             | TAP-HC0-D25BC0 module                                                              | 1.6in (4.1cm)        | 8.0in (20.3cm)                 | 9.4in (23.8cm)                                                                    | 3.50lbs (1.59kg)                                      |
|             | TAP-HC0-D35CC0 module                                                              | 1.6in (4.1cm)        | 8.0in (20.3cm)                 | 9.4in (23.8cm)                                                                    | 3.50lbs (1.59kg)                                      |
|             | TAP-HC0-G100C0 module                                                              | 1.6in (4.1cm)        | 8.0in (20.3cm)                 | 9.4in (23.8cm)                                                                    | 3.20lbs (1.45kg)                                      |

\* Available with 5.10 release

| PRODUCT     | NAME                     | HEIGHT                  | WIDTH                             | DEPTH                                                                                   | WEIGHT            |
|-------------|--------------------------|-------------------------|-----------------------------------|-----------------------------------------------------------------------------------------|-------------------|
| GigaVUE-HC2 | SMT-HC0-Q02X08 module    | 1.6in (4.1cm)           | 8.0in (20.3cm)                    | 10.2in (26.0cm)                                                                         | 4.1lbs (1.86kg)   |
|             | SMT-HC0-X16 module       | 1.6in (4.1cm)           | 8.0in (20.3cm)                    | 10.2in (26.0cm)                                                                         | 4.40lbs (2.00kg)  |
|             | SMT-HC0-R module         | 1.6in (4.1cm)           | 9.3in (23.5cm)                    | 13.2in (33.6cm)                                                                         | 4.40lbs (2.00kg)0 |
| GigaVUE-HC3 | GigaVUE-HC3 base chassis | 3RU<br>5.25in (13.34cm) | 17.26in (43.85cm)<br>without ears | 29.1in (74.0cm)<br>without cable management<br>33.5in (85.0cm)<br>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)  |

## Power Specifications

| PRODUCT LINE | COMPONENT                         | SPECIFICATIONS                                                                                                                                                  |
|--------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GivaVUE-HC1  | Power Configurations              | <ul style="list-style-type: none"> <li>1 + 1 Power: 2 Power Supply Modules</li> </ul>                                                                           |
|              | Max power consumption/heat output | <ul style="list-style-type: none"> <li>212 Watts; 722.9 BTU/hr</li> <li>Fully populated system with all ports at 100 percent traffic load</li> </ul>            |
|              | AC power supply modules           | <ul style="list-style-type: none"> <li>Min/max voltage: 100V–127V AC, 200V–240V AC, 50/60Hz</li> <li>Max PSM input current: 5.8A @ 100V, 2.9A @ 200V</li> </ul> |
|              | DC power supply modules           | <ul style="list-style-type: none"> <li>Min/max voltage: -40.5V to -60V DC</li> <li>Max PSM input current: 24A @ -40.5V</li> </ul>                               |

| PRODUCT LINE | COMPONENT                         | SPECIFICATIONS                                                                                                                                                                                                                                    |
|--------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GivaVUE-HC2  | Power configurations              | <ul style="list-style-type: none"> <li>• 1 + 1 power: 2 power supply modules</li> </ul>                                                                                                                                                           |
|              | Max power consumption/heat output | <ul style="list-style-type: none"> <li>• 960 Watts; 3276 BTU/hr (Control Card Version s 1 and 2)</li> <li>• Fully populated system with all ports at 100 percent traffic load</li> </ul>                                                          |
|              | AC power supply modules           | <ul style="list-style-type: none"> <li>• Min/max voltage: 100V–240V AC, 50/60Hz, 8.4A @ 200 V</li> <li>• Max PSM input current: 14.0A @ 100V</li> </ul>                                                                                           |
|              | DC power supply modules           | <ul style="list-style-type: none"> <li>• Min/max voltage: -36V to -72V DC</li> <li>• Max PSM input current: 35A @ -36V</li> </ul>                                                                                                                 |
| GivaVUE-HC3  | Power configurations              | <ul style="list-style-type: none"> <li>• 1 + 1 power: 2 power supply modules</li> <li>• 2 + 2 power: 4 power supply modules</li> </ul>                                                                                                            |
|              | Max power consumption/heat output | <ul style="list-style-type: none"> <li>• 1850 Watts; 6312.4 BTU/hr (Control Card Version 1)</li> <li>• 2000 Watts; 6824.3 BTU/hr (Control Card Version 2)</li> <li>• Fully populated system with all ports at 100 percent traffic load</li> </ul> |
|              | AC power supply modules           | <ul style="list-style-type: none"> <li>• Min/max voltage: 100V–115V AC, 200V–240V AC, 50/60Hz</li> <li>• Max PSM input current: 14A @ 100V, 10A @ 200V</li> </ul>                                                                                 |
|              | DC power supply modules           | <ul style="list-style-type: none"> <li>• Min/max voltage: -40V to -72V DC</li> <li>• Max PSM input current: 48A @ -40V</li> </ul>                                                                                                                 |

## Environmental Specifications

| ASPECT                                | SPECIFICATIONS                                                                      |
|---------------------------------------|-------------------------------------------------------------------------------------|
| Operating temperature                 | 32.F to 104.F (0.C to 40.C)                                                         |
| Operating relative humidity           | 20–80 percent, non-condensing                                                       |
| Recommended storage temperature       | -4.F to 158.F (-20.C to 70.C)                                                       |
| Recommended storage relative humidity | 15–85 percent, non-condensing                                                       |
| Altitude                              | Systems: Up to 13,000 ft (3.96km)<br>Power Supply Modules: Up to 10,000 ft (3.05km) |

## Standards and Protocols

| TYPE      | STANDARDS                                                                                                                                                                                                                                                                                                                                                       |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protocols | IEEE 802.3-2012, IEEE 802.1Q VLAN, IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T, IEEE 802.3z 1000BASE-X, IEEE 802.3ae 10000BASE-X, IEEE 802.3ba, RFC 783 TFTP, RFC 791 IP, RFC 793 TCP, RFC 826 ARP, RFC 854 Telnet, RFC 768 UDP, RFC 792 ICMP, SNMP v1/v2c & v3, RFC 2131 DHCP client, RFC 1492 TACACS+, and support for IPv4 and IPv6 |

## Compliance

| ASPECT      | GIGAVUE | STANDARD                                                                                                                                                                                      |
|-------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety      | HC1     | UL 60950-1; CSA C22.2 EN 60950-1; IEC-60950-1:2005(2nd Edition) + Am 1:2009 + Am 2:2013                                                                                                       |
|             | HC2     | UL 60950-1; CSA C22.2 EN 60950-1; IEC-60950-1                                                                                                                                                 |
|             | HC3     | UL 60950-1, 2nd Edition; CAN/CSA C22.2 No. 60950-1-07, 2nd Edition; EN 60950-1:2006/ A1:2009/ A1:2010/A12:2011/A2:2013; IEC 60950-1:2005 (2nd Edition) + Am 1:2009 + Am 2:2013                |
| Emissions   | HC1     | FCC Part 15, Class A; VCCI Class A; EN55022/CISPR-22 Class A; Australia/New Zealand AS/NZS CISPR-22 Class A; RCM; EU: CE Mark EN 55022 Class A, China CCC, Taiwan BSMI, Korea KCC, Russia EAC |
|             | HC2     | FCC Part 15, Class A; VCCI Class A; EN55022/CISPR-22 Class A; Australia/New Zealand AS/NZS CISPR-22 Class A; CE Mark EN 55022 Class A, China CCC, Taiwan BSMI, Korea KCC, Russia EAC          |
|             | HC3     | FCC Part 15, Class A; VCCI Class A; EN55022/CISPR-22 Class A; Australia/New Zealand AS/NZS CISPR-22 Class A; EU:CE Mark EN 55022 Class A; Taiwan BSMI, Korea KCC, Russia EAC                  |
| Immunity    | HC1     | 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                                                                                         |
|             | HC2     |                                                                                                                                                                                               |
|             | 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     | RoHS 6: EU directive 2002/95/EC                                                                                                                                                               |
|             | HC2     |                                                                                                                                                                                               |
|             | HC3     | EU RoHS 6, EU Directive 2011/65/EU; 2006/1907/EC (REACH); ISTA 2A                                                                                                                             |
| NEBS        | HC1     | Level 3 (GVS-HC102/2)                                                                                                                                                                         |
|             | HC2     | Level 3 (GVS-HC2A1/2)                                                                                                                                                                         |
|             | HC3     | Level 3 (GVS-HC301/2)                                                                                                                                                                         |
| Security    | HC1     | FIPS 140-2                                                                                                                                                                                    |
|             | HC2     | FIPS 140-2, UC APL, Common Criteria                                                                                                                                                           |
|             | HC3     | FIPS 140-2                                                                                                                                                                                    |

## Ordering Information: GigaVUE-HC1

| PRODUCT CATEGORY       | PART NUMBER     | DESCRIPTION                                                                                                                     |
|------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------|
| Base Hardware          | GVS-HC101       | GigaVUE-HC1 node, 12 1G/10G cages, 4 10/100/1000M copper, fan tray, 2 power supplies, AC power                                  |
|                        | GVS-HC102       | GigaVUE-HC1 node, 12 1G/10G cages, 4 10/100/1000M copper, fan tray, 2 power supplies, DC power                                  |
|                        | BPS-HC1-D25A24  | Bypass Combo Module, GigaVUE-HC1, 2 SX/SR 50/125 BPS pairs, 4 10G 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, 12x10G/1G SFP+/SFP                                                                                    |
|                        | PRT-HC1-Q04X08* | Port Module, GigaVUE-HC1, 4x40G QSFP+ and 8x10G SFP+ cages                                                                      |
|                        | SMT-HC1-S       | GigaSMART, HC Series, Front Module w/o ports (includes Slicing, Masking, Source Port and GigaVUE Tunneling De-Encapsulation SW) |
| Licenses               | -               | Refer to the GigaSMART® datasheet found <a href="#">here</a> for more information.                                              |
| 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       | Power Supply Module, GigaVUE-TA10, TA40, or HC1 DC, each                                                                        |

\* Available with 5.11 release

## Ordering Information: GigaVUE-HC2

| PRODUCT CATEGORY       | PART NUMBER    | DESCRIPTION                                                                                                                                 |
|------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Base Hardware          | GVS-HC2A1      | GigaVUE-HC2 base unit with chassis, Control Card Version 2, 1 fan Tray, CLI, 2 power supplies, AC power                                     |
|                        | GVS-HC2A2      | GigaVUE-HC2 base unit with chassis, Control Card Version 2, 1 fan tray, CLI, 2 power supplies, DC power                                     |
|                        | CTL-HC0-002    | Control Card Version 2, GigaVUE-HC2                                                                                                         |
|                        | PRT-HC0-X24    | Port Module, HC Series, 24x10G                                                                                                              |
|                        | PRT-HC0-Q06    | Port Module, HC Series, 6x40G                                                                                                               |
|                        | PRT-HC0-C02    | Port Module, HC Series, 2x100G QSFP28 cages. Requires Control Card Version 2                                                                |
|                        | BPS-HC0-D25A4G | Bypass Combo Module, HC Series, 4 SX/SR 50/125 BPS pairs, 16 10G cages                                                                      |
|                        | BPS-HC0-D25B4G | Bypass Combo Module, HC Series, 4 SX/SR 62.5/125 BPS pairs, 16 10G cages                                                                    |
|                        | BPS-HC0-D35C4G | Bypass Combo Module, HC Series, 4 LX/LR BPS pairs, 16 10Gb cages                                                                            |
|                        | BPS-HC0-Q25A28 | Bypass Combo Module, GigaVUE-HC2, 2 40G SR4 BPS pairs, 8 10G cages                                                                          |
|                        | TAP-HC0-D25AC0 | TAP module, HC Series, SX/SR Internal TAP module 50/125, 12 TAPs                                                                            |
|                        | TAP-HC0-D25BC0 | TAP module, HC Series, SX/SR Internal TAP module 62.5/125, 12 TAPs                                                                          |
|                        | TAP-HC0-D35CC0 | TAP module, HC Series, LX/LR Internal TAP module, 12 TAPs                                                                                   |
|                        | TAP-HC0-G100C0 | TAP and Bypass Module, HC Series, copper, 12 TAP or BPS pairs                                                                               |
|                        | SMT-HC0-Q02X08 | GigaSMART, HC Series, Front Module, 2 40Gb, 8 10Gb cages (includes Slicing, Masking, Source Port and GigaVUE Tunneling De-Encapsulation SW) |
|                        | SMT-HC0-R      | GigaSMART, HC Series, Rear Module (includes Slicing, Masking, Source Port and GigaVUE Tunneling De-Encapsulation SW)                        |
|                        | SMT-HC0-X16    | GigaSMART, HC Series, Front Module, 16 10Gb cages (includes Slicing, Masking, Source Port and GigaVUE Tunneling De-Encapsulation SW)        |
| Licenses               | -              | Refer to the GigaSMART® datasheet found <a href="#">here</a> for more information.                                                          |
| Fan and Power Supplies | FAN-HC200      | GigaVUE-HC2 fan assembly, each (1 required)                                                                                                 |
|                        | PWR-HC201      | Power supply module, GigaVUE-HC2, AC                                                                                                        |
|                        | PWR-HC202      | Power supply module, GigaVUE-HC2, DC                                                                                                        |

## Ordering Information: GigaVUE-HC3

| PRODUCT CATEGORY       | PART NUMBER    | DESCRIPTION                                                                                                                       |
|------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Base Hardware          | 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                                                                                         |
|                        | 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, 2 40/100Gb SR4 BPS pairs, 16 10G cages                                                          |
|                        | BPS-HC3-Q35C2G | Bypass Combo Module, GigaVUE-HC3, 2 40Gb LR BPS pairs, 16 10G cages                                                               |
|                        | BPS-HC3-C35C2G | Bypass Combo Module, GigaVUE-HC3, 2 100Gb LR BPS pairs, 16 10G cages                                                              |
|                        | SMT-HC3-C05    | GigaSMART, GigaVUE-HC3, 5x100G QSFP28 cages<br>(includes Slicing, Masking, Source Port and GigaVUE Tunneling De-Encapsulation SW) |
| Licenses               | -              | Refer to the GigaSMART® datasheet found <a href="#">here</a> for more information.                                                |
| 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)                                                                                       |

## Support and Services

Gigamon offers a range of support and maintenance services. For details regarding the Gigamon Limited Warranty and our product support and software maintenance programs, visit [www.gigamon.com/support-and-services/overview-and-benefits](http://www.gigamon.com/support-and-services/overview-and-benefits).

## For More Information

For more information about the Gigamon Platform or to contact your local representative, please visit: [www.gigamon.com](http://www.gigamon.com).

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