

FRONT



BACK

Product Description

GigaVUE-212: base system is a 1U high, 19 inch rack mountable chassis. Standard features include 8 x GbE (user selectable RJ45 or SFP media type) and 2 x 10GbE SFP+ ports for out-of-band network monitoring. A single expansion slot provides the GigaVUE-212 with ability to add other modules. All ports may be independently assigned as input or output ports. The GigaVUE-212 offers a highly integrated traffic visibility solution to connect network monitoring equipment into production networks. **Power:** one AC or DC power supply is included. An optional second supply may be added to provide dual redundant load-sharing capability. Power supply modules are field replaceable and hot swappable.

Cooling: dual redundant cooling fans. The fan module is field replaceable and hot swappable. **Air flow:** front to rear.

*See ordering information on page 2.

Included Accessories

Rack mount kit with front and rear rack mounting brackets; Two North American AC modular power cords for AC unit; serial console cable (Cisco compatible).

Table 1 : GigaVUE-212 Physical Weight & Dimensions

Feature	Height	Width	Depth	Weight
Chassis	1.75" (4.45 cm.)	17.35" (44.09 cm.)	11.88" (30.18 cm.)	Module: 13.8 lbs. (6.26 kg.) Shipping: 23 lbs. (10.43 kg.)

Table 2 : Power Supplies

Type	Specification
Standard	One AC (100 to 240V AC, 50/60Hz) or DC (-48V DC) power supply module included
Optional	Second AC or DC module may be field installed to provide redundant, load sharing, hot-swappable power
AC Power Modules	100 to 240V AC
Fuse Rating	Internally protected, not user accessible
DC Power Modules	36 to -72V DC. Inputs reverse polarity protected
DC Source	Optional DC external fuse rating: 7Amps Slo-Blo

Table 3 : Electrical Characteristics

Power Supply Type	Specification
Power Supply Types	Dual 1+1 redundant hot swappable power supplies, AC or DC
Heat/Power Dissipation	Fully populated 14 port system with all ports at 100% traffic load: nominally 100Watts/341 BTU/hr AC or 80Watts/273 BTU/hr DC
Voltage	AC power modules: 100 to 240V AC. Fuse rating: internally protected, not user accessible DC power modules: -36 to -72V DC. Inputs reverse polarity protected For DC source: optional external fuse rating: 6 Amps Slow-Blo
Current (nominal)	1.45A @ 110V AC / 3.33A @ -48V DC
Current (surge)	5A @ 110V AC
Frequency	50/60 Hz for AC

Table 4 : Optional Equipment

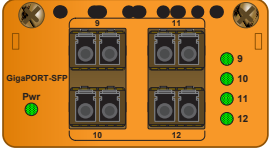
Equipment Type	Description
Modules	<p>Front expansion slot: one (1)</p> <p>Currently there is only one supported expansion module that consists of four (4) GbE SFP ports.</p> <div style="display: flex; align-items: center; justify-content: center;">  <div style="margin-left: 20px;"> <p style="color: #0070C0;">GigaPORT-SFP expansion module</p> </div> </div> <p>Supported transceiver type:</p> <ol style="list-style-type: none"> 1. SFP-502 GbE SFP (optical SX 850nm MM) speed 1000 Mbps 2. SFP-503 GbE SFP (optical LX 1310nm SM) speed 1000 Mbps 3. SFP-504 GbE SFP (optical ZX 1550nm SM) speed 1000 Mbps (special order) 4. SFP-501 GbE SFP (RJ45 UTP interface) speed 1000 Mbps
Transceivers	<p>GigaVUE-212 base system standard ports: 8 x GbE ports (user selectable as RJ45 or SFP media type) and 2 x 10GbE SFP+ ports. A single expansion module may be plugged into the front slot.</p> <p>The 8 GbE SFP media will accept the following Gigamon transceiver types:</p> <ol style="list-style-type: none"> 1. SFP-502 GbE SFP (optical SX 850nm MM) speed 1000 Mbps 2. SFP-503 GbE SFP (optical LX 1310nm SM) speed 1000 Mbps 3. SFP-504 GbE SFP (optical ZX 1550nm SM) speed 1000 Mbps (special order) <p>The two (2) 10GbE SFP+ media will accept the following Gigamon transceiver types:</p> <ol style="list-style-type: none"> 1. SFP-532 10GbE SFP+ (optical SR 850nm MM) speed 10,000 Mbps 2. SFP-533 10GbE SFP+ (optical LR 1310nm SM) speed 10,000 Mbps 3. SFP-534 10GbE SFP+ (optical ER 1550nm SM) speed 10,000 Mbps (special order) 4. SFP-535 10GbE SFP+ (optical LRM 1310nm for MM cable) speed 10,000 Mbps

Table 5 : General Product Information

Type	Description
Mounting	Mounts in an EIA-standard 19 inch or 24 inch telco rack or equipment cabinet, up to 39 inches deep. Front mounting brackets included.
Safety	UL 60950-1; CSA C22.2 EN 60950-1
Emissions	FCC Part 15, class A; VCCI class A; EN55022/CISPR-22 class A; Australian/New Zealand AS/NZS CISPR-22 class
Immunity	ETSI EN 300 386 V1.3.2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-3-2
Environment	<p>RoHS compliance</p> <ul style="list-style-type: none"> All GigaVUE-212 products are RoHS compliant. <p>Operating temperature</p> <ul style="list-style-type: none"> 32°F to 104°F (0°C to 40°C) <p>Operating relative humidity</p> <ul style="list-style-type: none"> 20% to 80%, non-condensing <p>Non-operating/storage temperature</p> <ul style="list-style-type: none"> -4°F to 158°F (-20°C to 70°C) <p>Non-operating/storage relative humidity</p> <ul style="list-style-type: none"> 15% to 85%, non-condensing <p>Altitude</p> <ul style="list-style-type: none"> Up to 15,000ft. (4.6km)
Standards and Protocols	IEEE 802.1Q VLAN, IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-X, RFC 783 TFTP, RFC 791 IP, RFC 793 TCP, RFC 826 ARP, RFC 854 Telnet, RFC 768 UDP, RFC 792 ICMP, SNMP v1/v2c, RFC 2131 DHCP client, RFC 1492 TACACS+
Management	User interface: command line interface CLI; out of band management (serial RS-232C port); telnet, SSH2 through Ethernet management port. RADIUS, TACACS+ support, user group.
Performance	<p>Port to port throughput:</p> <p>Wire speed per port, no degradation when filters/maps are applied.</p> <p>Packet Latency:(typical)</p> <p>10Gbps to 10Gbps : 3.1 microseconds</p> <p>1Gbps to 1Gbps : 10.5 microseconds</p>

Table 6 : Features and Benefits

Features	Benefits
Remote Management	<ul style="list-style-type: none"> • Local access over serial console port • Remote network access using Telnet, SSH2, or HTTPS over the 10/100/1000 Ethernet Management port • Secure access to the CLI/GUI, either through the local authentication or optional RADIUS/TACACS+ support • SNMP support • IPv4 and IPv6 support
Citrus (GUI)	<ul style="list-style-type: none"> • HTTPS access to web based GUI: no applets, no downloads required • Manage all local box configuration and connections using an intuitive drag-and-drop technique • Cross-box configuration support scheduled for coming release
Security Options	<ul style="list-style-type: none"> • Configure different user types – super user, normal user, and audit user. • Super user: access to all ports and configuration • Normal user: access to specific ports based on port-ownership and lock-level configuration. Access defined by super user • Audit user: no access to any ports; can only user show commands to see configuration settings • Group users • Port-ownership and lock-level configuration allows administrator to set port-ownership on a per user basis • TACACS+/RADIUS support • SNMP support – send traps to external SNMP server • Internal and external syslog support
Packet Distribution	<ul style="list-style-type: none"> • Dynamic link aggregation using inputs from taps or span ports • Filtering or Mapping can be applied using pre-defined filter set, i.e. source/destination IP, source/destination port, protocol, mac address, VLAN, protocol types, etc • User Defined Attribute (UDA) filtering – allows user to configure a filter based off a bit pattern match within the first 126 bytes of a packet • GigaSTREAM – allows user to load share session based traffic from multiple network ports to a bundle of 1-8 tool ports that form one logical link; supports tools that allow multiple physical port inputs from a single data feed • Port-utilization and port-alarm thresholds • Stacking support scheduled for coming release. Cascaded connections between GigaVUE is always supported
Filters/Map Rules	<p>Filters per system: 4000</p> <p>Network port-filters: 4000 per system; 4000 per port</p> <p>Tool port-filters: 100 per system; 100 per port</p> <p>Map-rules per system: 4000</p> <p>ST map-rules: 4000 per system; 4000 per st map</p> <p>MT map-rules: 1000 per system; 1000 per mt map</p>

GigaVUE-212 Ordering Information

Table 7 : Ordering Information

Part Number	Description
GVS-212	GigaVUE-212 with 8x1Gig & 2x10Gig ports, AC powered
GVS-213	GigaVUE-212 with 8x1Gig & 2x10Gig ports, DC powered
PRT-202	GigaPORT-SFP, 4x1G SFP expansion module
TAP-101	GigaTAP-TX-D copper tap module, 2 taps per module
TAP-141	GigaTAP-BPC-D In-Line, One-to-Many, Bypass Tap, Copper, 1Gig
SFP-501	1 Gig, SFP, Copper UTP with RJ45 interface
SFP-502	1 Gig, SFP, multimode, 850nm
SFP-503	1 Gig, SFP, singlemode, 1310nm
SFP-504	1 Gig, SFP, singlemode, 1550nm
SFP-532	10Gig SFP+, multimode, 850nm
SFP-533	10Gig SFP+, singlemode, 1310nm
SFP-534	10Gig SFP+, singlemode, 1550nm
SFP-535	10Gig SFP+, multimode, fiber, 1310nm LRM
CBL-205	SFP+ Direct Attach copper cable for 10GbE, 5m
CBL-215	SFP+ Direct Attach copper cable for 10GbE, 10m
SVC-2AC	110/240 V AC power supply module, 420 or 212 chassis
SVC-000	2nd year Standard hardware and software maintenance
SVC-001	1st year Premium maintenance upgrade (24x7)
SVC-002	2nd year Premium hardware and software maintenance (24x7)