

# GigaVUE Hardware Product Comparison Chart

Product (running GigaVUE-OS)	COTS Switches	GigaVUE TA Series			GigaVUE HC Series			
	Dell S4112F-ON	GigaVUE-TA25/TA25E	GigaVUE-TA200/TA200E	GigaVUE-TA400	GigaVUE-HCT	GigaVUE-HC1	GigaVUE-HC1-Plus	GigaVUE-HC3
<b>Physical Specifications</b>								
Height (rack units)	1RU	1RU	2RU	1RU	1RU	1RU	1RU	3RU
Width (19" rack)	Half	Full	Full	Full	Half	Full	Full	Full
Modular Design	-	-	-	-	✓	✓	✓	✓
AC or DC Redundant Power Supply	✓	✓	✓	✓	✓	✓	✓	✓
Field Replaceable Cooling Fans	✓	✓	✓	✓	✓	✓	✓	✓
<b>Throughput &amp; Capacity</b>								
Maximum Visibility <sup>1</sup>	840Gb	2Tb	6.4Tb	12.8Tb	500Gb	604Gb	1.8Tb	6.4Tb
Maximum Map Filter Rules <sup>1</sup>	8k	18k <sup>1</sup>	24k <sup>1</sup>	88k	3k	16k	36k	24k
<b>Maximum Port Densities</b>								
10/100Mb Ports <sup>1</sup>	-	-	-	-	8	32	-	-
1Gb Ports <sup>1</sup>	12	48	-	-	8	40	32	-
10Gb Ports <sup>1</sup>	12/24 <sup>2</sup>	56/80 <sup>2</sup>	128 <sup>2</sup>	128 <sup>2</sup>	32	60 <sup>2</sup>	72 <sup>2</sup>	128 <sup>2</sup>
25Gb ports	-	56/80 <sup>2</sup>	128 <sup>2</sup>	128 <sup>2</sup>	12	-	72 <sup>2</sup>	128 <sup>2</sup>
40Gb Ports <sup>1</sup>	3	8	64	32	6	8	12	64
100Gb Ports <sup>1</sup>	3	8	64	128 <sup>2</sup>	2	-	12	32/64 <sup>3</sup>
400Gb Ports <sup>1</sup>	-	-	-	32	-	-	-	-
<b>Port Transceiver Types</b>								
10/100/1000BASE-T Copper SFP	✓ <sup>5</sup>	✓ <sup>5</sup>	-	-	✓	✓	✓ <sup>5</sup>	-
1Gb SFP	✓	✓	-	-	✓	✓	✓	-
10Gb SFP+	✓	✓	-	-	✓	✓	✓	✓
25Gb SFP28	-	✓	-	-	✓	-	✓	✓ <sup>3</sup>
40Gb QSFP+	✓	✓	✓	✓	✓	✓	✓	✓
100Gb QSFP28	✓	✓	✓	✓	✓	-	✓	✓
400Gb QSFP-DD	-	-	-	✓	-	-	-	-

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<b>Integrated Taps</b>								
10/100/1000Base-T Copper Tap	–	–	–	–	✓	✓	✓ <sup>5</sup>	–
1Gb/10Gb Fiber Network Tap	–	–	–	–	–	–	–	–
10/100/1000Base-T Copper Bypass Tap	–	–	–	–	✓	✓	✓	–
1Gb Fiber Bypass Tap	–	–	–	–	✓	✓	✓	–
10Gb Fiber Bypass Tap	–	–	–	–	✓	✓	✓	✓
40Gb Fiber Bypass Tap	–	–	–	–	–	–	–	✓
100Gb Fiber Bypass Tap	–	–	–	–	–	–	–	✓
400Gb Fiber Bypass Tap	–	–	–	–	–	–	–	–
<b>GigaSMART® Engines per Module</b>								
Front Module	N/A	N/A	N/A	N/A	1	1	1	2
Built-in or Rear Module	N/A	N/A	N/A	N/A	–	1	1	–
<b>GigaVUE-OS Function &amp; Features</b>								
Flow Mapping®	✓	✓	✓	✓	✓	✓	✓	✓
VLAN Tagging	✓	✓	✓	✓	✓	✓	✓	✓
Logical Inline Bypass Protection	–	✓	✓	✓	✓	✓	✓	✓
User-defined Attribute Filtering	✓	✓	✓	✓	✓	✓	✓	✓
Traffic Aggregation & Replication	✓	✓	✓	✓	✓	✓	✓	✓
Traffic Distribution (load-balancing)	✓	✓	✓	✓	✓	✓	✓	✓
Stacking Ports	✓ <sup>4</sup>	✓ <sup>4</sup>	✓ <sup>4</sup>	✓ <sup>4</sup>	✓	✓	✓	✓
Configuration Log	✓	✓	✓	✓	✓	✓	✓	✓
Role-Based Access Control (RBAC)	✓	✓	✓	✓	✓	✓	✓	✓
Port Access Control—Multiple Level	✓	✓	✓	✓	✓	✓	✓	✓
CLI Configuration and Management	✓	✓	✓	✓	✓	✓	✓	✓
REST API Configuration and Management (via FM)	✓	✓	✓	✓	✓	✓	✓	✓
GUI Configuration and Management	✓	✓	✓	✓	✓	✓	✓	✓
Configuration from GigaVUE-FM	✓	✓	✓	✓	✓	✓	✓	✓
Ansible Automation with GigaVUE-FM	✓	✓	✓	✓	✓	✓	✓	✓

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SNMP v1/v2/v3 Support	✓	✓	✓	✓	✓	✓	✓	✓
Remote Access via Telnet or SSH2	✓	✓	✓	✓	✓	✓	✓	✓
Remote Authentication (RADIUS, TACACS+)	✓	✓	✓	✓	✓	✓	✓	✓
Header Stripping (MPLS, VLAN, VxLAN)	–	✓ <sup>4</sup>	✓ <sup>4</sup>	✓ <sup>4</sup>	✓	✓	✓	✓
Tunneling (L2GRE, VxLAN)	✓ <sup>4</sup>	✓ <sup>4</sup>	✓ <sup>4</sup>	✓ <sup>4</sup>	✓	✓	✓	✓
MAC Address Rewrite	–	✓ <sup>4</sup>	✓ <sup>4</sup>	✓ <sup>4</sup>	✓	✓	✓	✓
Time Stamping	–	–	✓ <sup>4</sup>	–	–	–	–	–
NEBS Level 3 Certified	–	–	✓ <sup>7</sup>	✓	✓	✓	✓	✓
<b>GigaSMART® Applications &amp; Features</b>								
<b>Traffic Intelligence</b>								
Source Port Labeling	N/A	N/A	N/A	N/A	✓	✓	✓	✓
Advanced Header Stripping	N/A	N/A	N/A	N/A	✓	✓	✓	✓
De-duplication	N/A	N/A	N/A	N/A	✓	✓	✓	✓
Packet Slicing	N/A	N/A	N/A	N/A	✓	✓	✓	✓
Advanced Flow Slicing	N/A	N/A	N/A	N/A	✓	✓	✓	✓
Masking	N/A	N/A	N/A	N/A	✓	✓	✓	✓
Adaptive Packet Filtering	N/A	N/A	N/A	N/A	✓	✓	✓	✓
Advanced Load-Balancing	N/A	N/A	N/A	N/A	✓	✓	✓	✓
Advanced Tunneling (Including ERSPAN Termination and TCP Tunneling)	N/A	N/A	N/A	N/A	✓	✓	✓	✓
NetFlow Generation	N/A	N/A	N/A	N/A	✓	✓	✓	✓
<b>Application Intelligence</b>								
Application Filtering Intelligence	N/A	N/A	N/A	N/A	✓	✓	✓	✓
Application Metadata Intelligence	N/A	N/A	N/A	N/A	✓	✓	✓	✓

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Application Visualization	N/A	N/A	N/A	N/A	✓	✓	✓	✓
<b>Subscriber Intelligence</b>								
5G Correlation	N/A	N/A	N/A	N/A	–	–	–	✓
GTP Correlation	N/A	N/A	N/A	N/A	–	–	✓	✓
<b>Security Intelligence</b>								
TLS/SSL Decryption (Inline and Out-of-Band)	N/A	N/A	N/A	N/A	✓ <sup>6</sup>	✓	✓	✓

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<sup>1</sup> Dependent on configured modules

<sup>2</sup> Using breakout, such as G-TAP PNL-M341

<sup>3</sup> Requires GigaVUE-HC3 Control Card Version 2

<sup>4</sup> With Advanced Features License

<sup>5</sup> 1000Mbps only

<sup>6</sup> Only Out-of-band is Supported

<sup>7</sup> Only TA200

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