



QUANTUM™ SECURITY GATEWAYS COMPARISON CHART

YOU DESERVE THE BEST SECURITY

	3600	3800	6200			6400			6600			6700			6900			
	Branch Office			Small to Mid-Enterprise														
Enterprise Testing Conditions																		
Threat Prevention (Gbps) ¹	780 Mbps	1.5	1.8	2.5	3.7	5.8	7.4											
NGFW Throughput (Gbps) ²	1.5	3	3.72	5.5	6.2	13.4	17											
IPS Throughput (Gbps)	1.99	3.3	4.65	6.5	10.14	19	19											
Firewall (Gbps)	3.3	3.6	9	12	18	26	37											
Ideal Testing Conditions																		
Firewall Throughput (Gbps)	4	4	17.55	30	32	38	63											
VPN Throughput (Gbps)	2.71	2.75	2.57	2.73	4.9	4.61	9.81											
Connections Per Second (K)	32	60	67	90	116	164	230											
Concurrent Sessions (M) ³	2	4	2/8	4/8	2/8	2/8	4/16											
Additional Features																		
CPUs/physical cores/virtual cores	1/4/4	1/8/8	1/2/4	1/4/4	1/6/6	1/6/12	1/8/16											
SSD Size	240 GB	240 GB	240 GB	240 GB	240 GB	480 GB	480 GB											
Maestro Scalability (NGTP Gbps)	-	-	up to 90	up to 125	up to 185	up to 290	up to 370											
Physical																		
Enclosure	Desktop	Desktop	1U			1U			1U			1U			1U			
Appliance Configurations			Base	Plus	Max	Base	Plus	Max	Base	Plus	Max	Base	Plus	Max	Base	Plus	Max	
Network I/O Expansion Slots			1			1			1			1			2			
1 GbE Copper	6	6	10	10	18	10	10	18	10	10	18	10	10	18	10	10	26	
1 GbE Fiber	-	-	0	4	4	0	4	4	0	0	4	0	0	4	0	0	8	
10 GbE	-	-	0	0	4	0	0	4	0	4	4	0	4	4	0	4	8	
100/40/25/10 GbE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	2	
Accessories																		
Memory	8	16	8	16	32	8	16	32	8	16	32	8	16	32	16	32	64	
Redundant Power	Opt.	Opt.	-	✓	✓	✓	✓	✓	Opt.	✓	✓	Opt.	✓	✓	Opt.	✓	✓	
LOM	-	-	Opt.	✓	✓	Opt.	✓	✓	Opt.	✓	✓	Opt.	✓	✓	Opt.	✓	✓	
Virtual Systems																		
Maximums with default memory	5	10	10	20	20	10	20	20	10	20	20	10	20	20	10	20	20	

Opt. optional
 Base, Plus, Max: Base is a minimum hardware configuration. Plus includes redundant components, additional memory and network I/O for less than purchasing these items separately. Max is the maximum capacity that the security appliance supports.
 1 Includes Firewall, Application Control, URL Filtering, IPS, Antivirus, Anti-Bot, SandBlast.
 2 Includes Firewall, Application Control, IPS.
 3 Performance measured with default/maximum memory.

	7000			16200			16600			26000			28000			28600		
	Large Enterprise						Data Center											
Enterprise Testing Conditions																		
Threat Prevention (Gbps) ¹	9.5			15			17.6			24			30			30		
NGFW Throughput (Gbps) ²	22			27			30			40.5			51.5			51.5		
IPS Throughput (Gbps)	25			35			42			43			52.2			52.2		
Firewall (Gbps)	48			78.3			87			106.2			145			145		
Ideal Testing Conditions																		
Firewall Throughput (Gbps)	76.8			159			117			316.5			316.5			193		
VPN Throughput (Gbps)	11.9			20			17			40.1			49			44		
Connections Per Second (K)	330			435			375			550			615			590		
Concurrent Sessions (M) ³	4/16			8/32			32			10/32			10/32			49		
Additional Features																		
CPUs/physical cores/virtual cores	1/16/32			2/24/48			2/24/48			2/36/72			2/36/72			2/36/72		
SSD Size	480 GB			480 GB			480 GB			480 GB			480 GB			480 GB		
Maestro Scalability (NGTP Gbps)	up to 475			up to 750			up to 880			up to 1,200			up to 1,500			up to 1,500		
Physical																		
Enclosure	1U			2U			1U			3U			3U			1U		
Appliance Configurations	Base	Plus	Max	Base	Plus	Max	Base	Plus	Max	Base	Plus	Max	Base	Plus	Max	Base		
Network I/O Expansion Slots	2			4			-			8			8			-		
1 GbE Copper	10	10	26	10	10	34	2	10	10	66	2	10	66	2	10	66		
1 GbE Fiber	0	0	8	0	0	16	-	0	0	32	0	0	32	-	0	32		
10 GbE	0	4	8	0	8	16	-	0	12	32	4	12	32	-	4	32		
100/40/25/10 GbE	0	0	2	0	0	4	2	0	0	8	0	2	8	2	0	8		
Accessories																		
Memory	16	32	64	48	64	128	128	48	96	128	64	96	128	192	64	96	128	
Redundant Storage	Opt.	✓	✓	Opt.	✓	✓	-	Opt.	✓	✓	Opt.	✓	✓	-	Opt.	✓	✓	
Redundant Power	Opt.	✓	✓	Opt.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
LOM	Opt.	✓	✓	Opt.	✓	✓	✓	Opt.	✓	✓	Opt.	✓	✓	✓	Opt.	✓	✓	
Virtual Systems																		
Maximums with default memory	10	30	50	60	250	250	250	125	250	250	125	250	250	250	125	250	250	

OPT. optional
 Base, Plus, Max: Base is a minimum hardware configuration. Plus includes redundant components, additional memory and network I/O for less than purchasing these items separately. Max is the maximum capacity that the security appliance supports.

¹ Includes Firewall, Application Control, URL Filtering, IPS, Antivirus, Anti-Bot, SandBlast.

² Includes Firewall, Application Control, IPS.

³ Performance measured with default/maximum memory.

QUANTUM SECURITY GATEWAYS (continued)



	1535	1555	1575	1595	1600	1800
SMB and Small Branch Office						
Enterprise Testing Conditions*						
Threat Prevention (Gbps) ¹	340 Mbps	450 Mbps	500 Mbps	660 Mbps	1,500 Mbps	2,000 Mbps
NGFW Throughput (Gbps) ²	600 Mbps	800 Mbps	970 Mbps	1,300 Mbps	3,200 Mbps	5,000 Mbps
IPS Throughput (Gbps)	670 Mbps	900 Mbps	1,050 Mbps	1,400 Mbps	3,500 Mbps	5,500 Mbps
Firewall (Gbps)	1,000 Mbps	1,000 Mbps	2,800 Mbps	2,800 Mbps	4,800 Mbps	7,500 Mbps
Ideal Testing Conditions						
Firewall Throughput (Gbps)	2,000 Mbps	2,000 Mbps	6,400 Mbps	6,400 Mbps	8,000 Mbps	17,000 Mbps
VPN Throughput (Gbps)	970 Mbps	1,300 Mbps	1,950 Mbps	2,600 Mbps	3,200 Mbps	4,000 Mbps
Connections Per Second (K)	10,500	14,000	15,750	21,000	55,000	66,000
Concurrent Sessions (M) ³	1,000,000	1,000,000	1,000,000	1,000,000	2,400,000	2,400,000
Additional Features						
WiFi (Optional)	802.11 a/b/g/n/ac/ax MU-MIMO 3x3		802.11 a/b/g/n/ac/ax MU-MIMO 4x4		N/A	
5G (1595 optional)	N/A		Supported		N/A	
Physical and Networking						
Enclosure	Desktop		Desktop		1U	
1 GbE Copper	6		10		18	17
1 GbE Fiber	N/A		1 SFP		2	1
2.5 GbE	N/A		N/A		N/A	2
10 GbE	N/A		N/A		N/A	1
Console	1x USB-C		1x USB-C		1x USB-C and 1x RJ-45 console port	
USB ports	1x USB 3.0		USB1x USB 3.0		2x USB 3.0	
SD Card Slot	N/A		Micro-SD slot		Micro-SD slot with 32 and 64 GB card options	

1. Includes Firewall, Application Control, URL Filtering, IPS, Antivirus, Anti-Bot, SandBlast Zero-Day Protection with logging.

2. Includes Firewall, Application Control, IPS with logging

3. Performance measured with default/maximum memory.* Smart Accel is available on release R81.10 and above. Smart Accel must be enabled on Web UI and is currently supported on devices managed via Web UI or SMP

	NGFW Basic access control with IPS	NGTP Prevent known threats	SandBlast Prevent zero-day threats
Security Gateway Feature Sets			
Firewall	✓	✓	✓
IPsec VPN	✓	✓	✓
Mobile Access	✓	✓	✓
Advanced Networking & Clustering	✓	✓	✓
Identity Awareness	✓	✓	✓
Application Control	✓	✓	✓
Content Awareness	✓	✓	✓
IPS	✓	✓	✓
URL Filtering		✓	✓
Antivirus		✓	✓
Anti-Spam		✓	✓
Anti-Bot		✓	✓
DNS Security		✓	✓
SandBlast Threat Emulation			✓
SandBlast Threat Extraction			✓
Zero Phishing			✓
DLP	Optional	Optional	Optional
IoT Network protection for SMBs*			✓
SD-WAN network optimization for SMBs*	✓	✓	✓
IoT Protect	Optional	Optional	Optional
SD-WAN network optimization for enterprises**	Optional	Optional	Optional
Security Management Feature Sets			
Network Policy Management	✓	✓	✓
Logging & Status	✓	✓	✓

Optional security capabilities can be ordered a-la-carte or separately

* Starting from release R81.10.10. Managed via local Web UI and Spark Management.

** Supported on Smart-1 only

Mobile Access:

The 28000, 26000, 16000, 7000, 6000, 3000 include 5 users in the default package and this can be extended using Mobile Access extensions

Optional Security Management software features available, but not shown include:

SmartEvent, Compliance, SmartProvisioning, Endpoint Policy Management