



QUANTUM™ LIGHTSPEED FIREWALLS COMPARISON CHART

YOU DESERVE THE BEST SECURITY

QUANTUM LIGHTSPEED FIREWALLS

Modern enterprises and datacenters now require network security that performs at extremely high speeds and the ability to execute massive daily backups and transfers of multi-terabyte files. Customers now also expect ultra-low latency to support sensitive applications like high frequency trading and other financial transactions. And more than ever, datacenters need to scale up their aggregate data throughput quickly and easily, and secure multi-Terabits per second. This need for hyper-scale access is due in part to fast growing e-commerce and work-from-home demands.

Check Point Quantum Lightspeed firewalls are custom designed to meet and exceed these requirements at a very competitive price-performance. The Lightspeed family is 6 models; the QLS250, QLS450, QLS650 and the QLS800 which range in throughput from 250 Gbps to 800 Gbps of firewall throughput, and the one RU models MLS200 and MLS400 which are ideal for a Maestro clustering solution. Firewall throughput depends upon the number of accelerated 100GbE ports where each 100GbE NIC has 2x 100G QSFP28 ports and delivers nearly 200G of aggregate firewall throughput at an average of 3µSec ultra low latency.

Lightspeed firewalls include the Check Point stateful inspection firewall at an unprecedented price performance when compared to competing solutions. All-inclusive security packages such as NGFW, NGTP, or SandBlast are also available. In addition, redundancy is built-in with 2x 960GB SSD drives in a RAID1 array and hot-swappable redundant power supplies, ensuring continuity when one unit fails.



MLS200

MLS400

QLS250

QLS450

QLS650

QLS800

Maestro Models

Standalone Firewall Models

	MLS200	MLS400	QLS250	QLS450	QLS650	QLS800
Data Center and High Frequency Application Environments						
Firewall System Performance						
Firewall 1518B UDP (Gbps)	200	400	250	450	650	796
Firewall Latency (avg)	3μSec	3μSec	3μSec	3μSec	3μSec	3μSec
Connections/sec	392,100	814,000	430,800	474,950	517,800	546,150
Concurrent Sessions (M)	23	48	32	48	48	48
Accelerated 100GbE ports	2	4	2	4	6	8
Additional System Performance						
IPS Throughput (Gbps) ¹	55.2	145.3	79.8	119.4	136.9	140.9
NGFW Throughput (Gbps) ¹	43.1	94.5	53.2	82.35	91.65	96.1
Threat Prevention (Gbps) ¹	12.4	33	16.65	26.25	32.35	33.3
VPN Throughput (Gbps)	34.4	48.2	22	34.2	45	45
Additional Features						
CPUs/physical cores/virtual cores	1/16/32	2/36/72	2/24/48	2/36/72	2/36/72	2/36/72
SSD Size	2x 480GB	2x 960GB	2x 960GB	2x 960GB	2x 960GB	2x 960GB
Physical						
Enclosure	1U	1U	2U	3U	3U	3U
Network						
1 GbE Copper	✓	✓	✓	✓	✓	✓
10 GbE	✗	✗	✓	✓	✓	✗
Accelerated 100GbE	✓	✓	✓	✓	✓	✓
Accessories						
Memory	64 GB	192 GB	128 GB	192 GB	192 GB	192 GB
Redundant Storage	✓	✓	✓	✓	✓	✓
Redundant Power	✓	✓	✓	✓	✓	✓
LOM	✓	✓	✓	✓	✓	✓
Virtual Systems						
Maximums	20	250	250	250	250	250
Maestro Scale						
Lowest Rack Unit Size	✓	✓	✗	✗	✗	✗
Certified Maestro Compatible	✓	✓	✓	✓	✗	✗

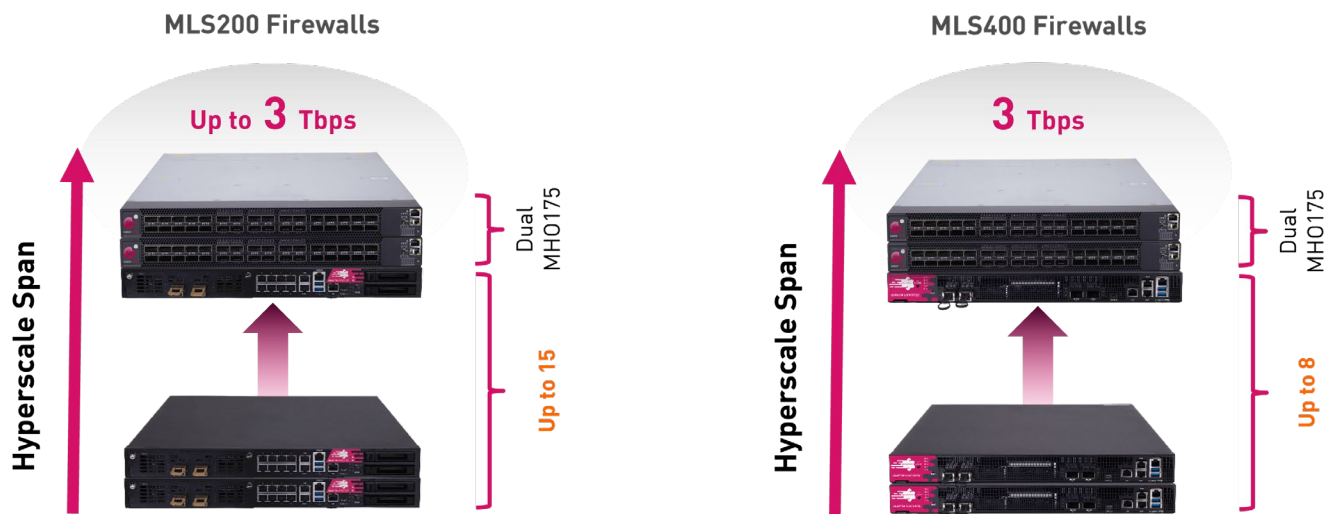
1. Performance measured with enterprise testing conditions with logging enabled. NGFW: FW, App Control and IPS. NGTP: FW, App Control, URL Filtering, IPS, Antivirus, Anti-Bot and SandBlast Zero-Day Protection.

SCALABLE, RESILIENT FIREWALL CLUSTERS WITH MAESTRO

Check Point Maestro brings scale, agility, and elasticity of the cloud on premise with efficient N+1 clustering based on Check Point HyperSync technology, maximizing the capabilities of your existing security gateways. Create your own virtualized private cloud on premise by stacking multiple Check Point security gateways together. Group them by security feature set, policy, or the assets they protect and further virtualize them with virtual systems technology.

Efficient N+1 clustering is now available under one unified system with Check Point Maestro. When a gateway is added to the system, it's configuration, policy and software version are updated and aligned with the existing deployment. Within 6 minutes the new gateway is an active member, increasing your overall system capacity.

In an example deployment using our MLS200 model, you can start with one gateway that delivers 200 Gbps of firewall throughput. Then easily add existing AND new gateways to create a security solution that delivers up to 3 Tbps of firewall throughput, simply by using Check Point Maestro.



	FW	NGFW	NGTP	SandBlast
Security Gateway Feature Sets				
Firewall	✓	✓	✓	✓
Identity Awareness	✓	✓	✓	✓
VPN (IPsec)	✓	✓	✓	✓
Mobile Access	✓	✓	✓	✓
Content Awareness	✓	✓	✓	✓
Advanced Networking & Clustering	✓	✓	✓	✓
Application Control		✓	✓	✓
IPS		✓	✓	✓
URL Filtering			✓	✓
Antivirus			✓	✓
Anti-Bot			✓	✓
Anti-Spam			✓	✓
DNS Security			✓	✓
SandBlast Threat Emulation				✓
SandBlast Threat Extraction				✓
Zero Phishing				✓
DLP	optional	optional	optional	optional
IoT Protect	optional	optional	optional	optional
Security Management Feature Sets				
Network Policy Management	✓	✓	✓	✓
Logging & Status	✓	✓	✓	✓

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

Firewall: the firewall package is only available in the Quantum Lightspeed models

Mobile Access: The Lightspeed models include 5 users in the default package, and this can be extended using Mobile Access extensions

Optional Security Management Software features available: Monitoring, SmartProvisioning, SmartEvent, Endpoint Policy Management, Compliance