

Check Point Appliance Sizing Recommendation

For Customer

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DISCLAIMER

Performance forecasts are based on a survey conducted amongst a large number of Check Point customers and represent a typical customer deployment scenario. Large variants may occur at different customer environments. Check Point does not guarantee and cannot be held responsible for any variations from the utilization forecasts provided by the appliance sizing tool. All estimates are based on the latest software version supported on each security gateway model.

Introduction

With increasing security threats and their sophistication in today's world, Security Gateway Appliances perform advanced security functions under constantly rising traffic volumes. In this new environment, it can be challenging to choose the right appliance to meet your security objectives and the performance requirements. To meet this challenge, Check Point had created the Enterprise Testing Conditions. Our Enterprise Testing Conditions are based on a typical traffic mix that our gateways are processing in production environments as seen today. The mix of protocols and content types, comprise realistic network conditions for performance testing which help us recommend the right product according to your requirements.

Customer's Requirements

Appliance sizing recommendations are based on the following security and performance requirements

Environment Settings	
Gateway Total Throughput (Mbps)	100.0
Appliance Mode	Security Gateway
Sizing Utility Data	Provided by User

Security Requirements
Gen V Security: Threat Prevention with or without Sandblast
Software Blades Included: Firewall, IPS, Application Control, URL Filtering, Anti-Virus, Anti-Bot, Threat Emulation, Threat Extraction

Recommended Appliances

3600



Threat Prevention Throughput (Max): 780 Mbps
 Firewall Bandwidth: 4 Gbps
 Port Density (Max): 6x1GbE
 Room For Growth: 665%-675%

Starting at
\$5,000

3800



Threat Prevention Throughput (Max): 1500 Mbps
 Firewall Bandwidth: 4 Gbps
 Port Density (Max): 6x1GbE
 Room For Growth: 1325%-1335%

Starting at
\$9,500

3200



Threat Prevention Throughput (Max): 580 Mbps
 Firewall Bandwidth: 4 Gbps
 Port Density (Max): 6x1GbE
 Room For Growth: 485%-495%

Starting at
\$7,500

Appliance Comparison Chart

The table below compares the different specifications of the appliances recommended by Check Point's Appliance Sizing Tool

	3600	3800	3200
Performance			
Gen-V Threat Prevention Throughput (Mbps)	780	1,500	580
NGFW throughput (Mbps)	1,500	3,000	1,150
Firewall and IPS Throughput (Mbps)	1,990	3,300	1,440
Firewall Throughput (Mbps)	3,300	3,600	4,000
VPN Throughput (Gbps)	2.71 Gbps	2.75 Gbps	2.2 Gbps
Connections per second (K)	32	60	48
Concurrent Sessions (M)	2	4	3.2
Network			
Expansion Slot	0	0	0
10/100/1000 Base-T/Max Ports	6	6	6
1000Base-F SFP (MAX Ports)	N/A	N/A	N/A
10GBase-F SFP+ (MAX Ports)	N/A	N/A	N/A
40GBase-F (MAX Ports)	N/A	N/A	N/A
Additional Features			
Enclosure	Desktop	Desktop	Desktop
Storage	1x240 GB	1x240 GB	1x320 GB
Memory/Max	8 GB	16 GB	8 GB
Dual, Hot-Swappable Power Supplies	N/A	N/A	N/A