Quantum
Force

QUANTUM FORCE AI-POWERED
SECURITY GATEWAYS
OVERVIEW

Quantum Force is the newest series of AI-Powered Security Gateways for the most demanding IT environments, including high-end data centers, midsized to large enterprises, and perimeter use cases. Offering **twice the performance** of its predecessors, Quantum Force also offers **higher port density**, **smaller form factors**, **low power consumption** and **modular flexibility** with a range of connection speeds to keep up with changing network requirements.

Quantum Force 1RU & 2RU Firewalls

These systems provide maximum performance, scalability and resiliency, making them ideal for enterprise and data center hybrid networks. AI-powered threat prevention delivers up to **63.5 Gbps** of full threat prevention, including when securing encrypted traffic, to achieve a **99.8% block rate**.

Fastest AI-Powered Threat Prevention

63.5 Gbps Threat Prevention
1.4 Tbps Firewall

Global Threat Intelligence powered by 50+ AI engines

#1 with 99.8%
Prevent Rate

Network Resilience & Power Efficiency

1 Tbps Threat Prevention in a Maestro cluster with 99.999% uptime

2X Power Savings with 1RU/2RU appliances

Highest 100G port density and flexible modularity

Unified Security Management

Single Console for On-premises, Cloud, and Firewall-as-a-Service

Automated zero trust policy management

Prevent attacks with MDR/XDR Security Ops

Meeting Industry Challenges

IT leaders are facing ever-increasing volumes of data transfers and encrypted web traffic, while dealing with increasingly sophisticated and costly cyber threats. These factors result in much higher demands on security systems. At the same time, the move toward hybrid-cloud environments has left organizations with fragmented visibility and disparate policy management.

Superior Threat Prevention

Miercom, a leading security testing and certification lab, challenged the industry's top five firewalls with the latest generation of cyber-attacks, including Zero+1 day malware and phishing. Check Point led in all categories for the second year in a row, with a 99.8% malware block rate, 100% phishing prevention rate, and ultra-low 0.13% False Positive Detection rate (highest accuracy).

Check Point delivers proactive defense against evasive and novel threats by leveraging its advanced AI-powered threat prevention and real-time global threat intelligence.

2024 Security Benchmark Report
Zero+1 Malware **Prevention Rate**:

99.8% — CHECK POINT

69.4% — paloalto NETWORKS

84% — FORTINET

47.8% — CISCO

75.4% — zscaler

View Report >
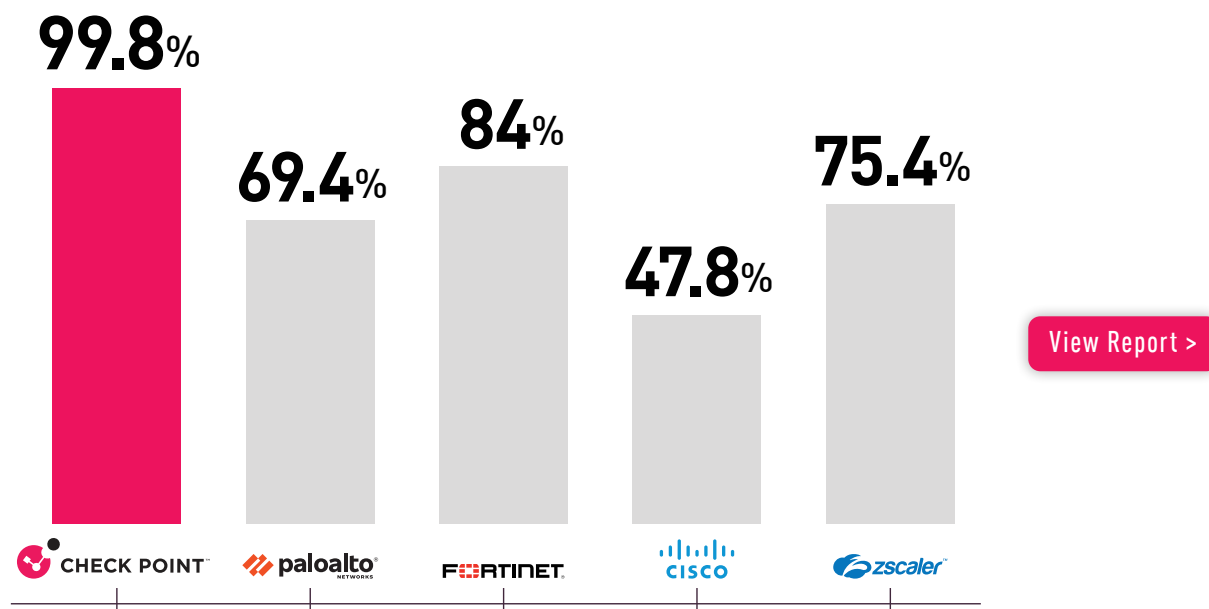
Quantum Force Across the Entire Network

Campus/Perimeter

9000 Series (6 Models)

—

Threat Prevention:
5 Gbps to 20 Gbps

—

Firewall:
up to 400 Gbps

Large Enterprise

19000 Series (2 Models)

—

Threat Prevention:
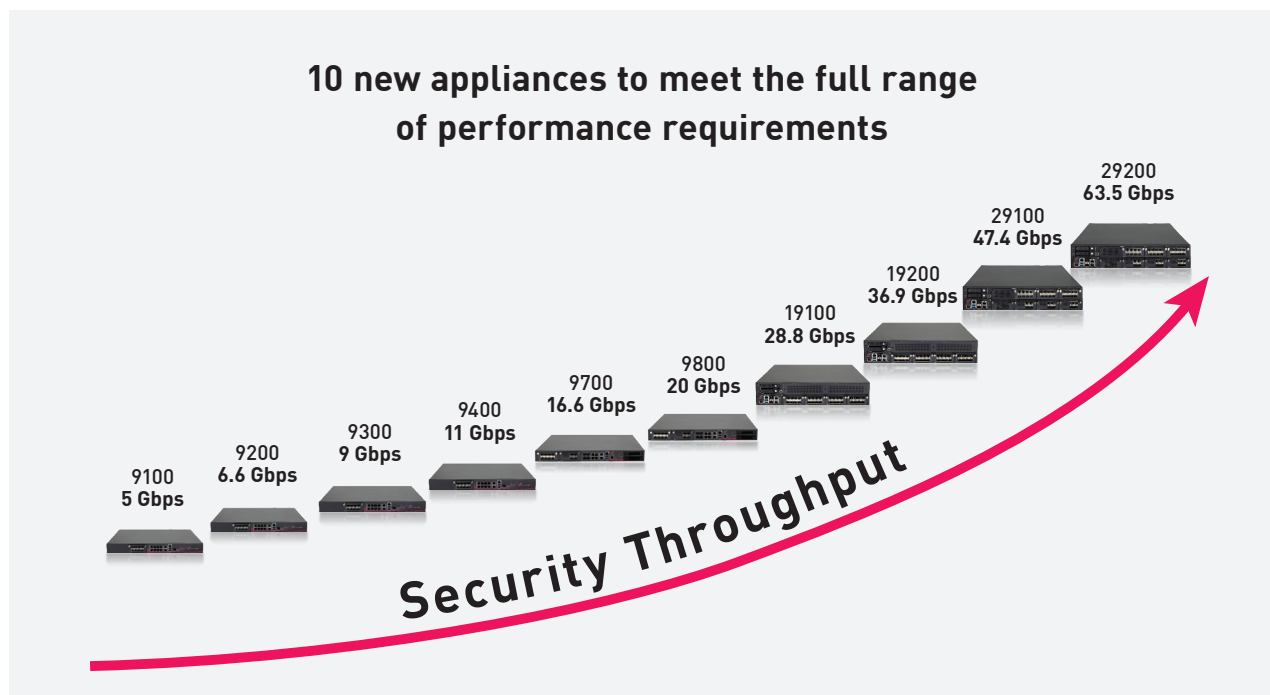up to 36.9 Gbps

—

Firewall:
up to 800 Gbps

Data Center

29000 Series (2 Models)

—

Threat Prevention:
up to 63.5 Gbps

—

Firewall:
up to 1,400 Gbps (1.4 Tbps)

The Quantum Force series offers ten appliances, giving organizations the flexibility to choose the throughput and performance that meets their requirements. Whether the use case is for a financial organization executing high-volume transactions with ultra-low latency, a carrier or managed service provider supporting millions of connections, or a small business with an emphasis on efficiency, Check Point has the solution.

10 new appliances to meet the full range of performance requirements

9100
5 Gbps

9200
6.6 Gbps

9300
9 Gbps

9400
11 Gbps

9700
16.6 Gbps

9800
20 Gbps

19100
28.8 Gbps

19200
36.9 Gbps

29100
47.4 Gbps

29200
63.5 Gbps

Security Throughput

Flexible, Modular, Power Efficient

The Quantum Force series offers high port density in power saving 1RU/2RU appliances. Keep up with evolving network requirements with modular, interchangeable network interfaces and connection speeds.

Up to 7 Network Expansion Slots

- 100G for Core Network
- High density 1/10G direct server connections
- Macro & Micro Segmentation
- ASIC accelerated 100G firewall interfaces

Up to **56** x 1/10 GbE

Up to **28** x 10/25 GbE

Up to **14** x 40/100 GbE

Unparalleled Scalability with Maestro Hyperscale Architecture

Check Point firewalls and security gateways can be clustered to deliver up to 1 Tbps (1,000 Gbps) of advanced threat prevention throughput, while still being managed as a single entity. Enterprises can start with a smaller system, knowing that they can easily scale when needed, without risky and complex upgrades or network re-designs.

Check Point Maestro supports a wide range of use cases, including capacity planning, remote workforce requirements, intelligent load balancing, and non-interruptive in-service firewall migrations. Organizations can add security capacity seamlessly to support new needs and automatically handle unexpected traffic spikes. Maestro also offers innovative performance autoscaling to temporarily shift firewall resources from underutilized security groups to critical applications during high demand. The 'borrowed' firewall resources will then automatically revert to their original security group after the server or application demand has stabilized.

Scale to:
1 Tbps Threat Prevention

Seamless migrations and additions without downtime

99.999% uptime and intelligent load sharing

Maestro Hyperscale System w/ Intelligent Load Sharing

Orchestrators

Firewalls

Unparallelled Resiliency

Maintaining network uptime is critical for most organizations. Therefore, it is essential for firewall appliances to provide the highest level of resiliency expected from the most demanding data centers and enterprises.

Hot-swap Power Supplies
Operational redundancy during outages

Dual Redundant NVMe (SSD)
Full storage back-up in case of disc failure. Replace corrupted storage without firewall interruption

Network Redundancy
Redundant 10GbE Management & Cluster Sync network interfaces

Lights Out Management
Maintain full device serviceability through secure out-of-band backup connection

Quantum network security operating system

Check Point's award-winning security operating system powers the entire suite of on-premises security gateways and cloud network firewalls for a unified security posture. This operating system delivers the industry's #1 ranked security effectiveness combined with the most flexible and reliable firewall management platform.

World-Class Security Policy and Firewall Management

Quantum Smart-1 is Check Point's unified network security policy management platform for firewalls, applications, users, and workloads. With real-time threat visibility, large scale event logging, and automated reporting.

- **Simple and autonomous security management**
  Manage on-premises and public/private cloud firewalls with a unified security policy. Use workflows, API automation, compliance checks, and preconfigured templates for autonomous threat prevention
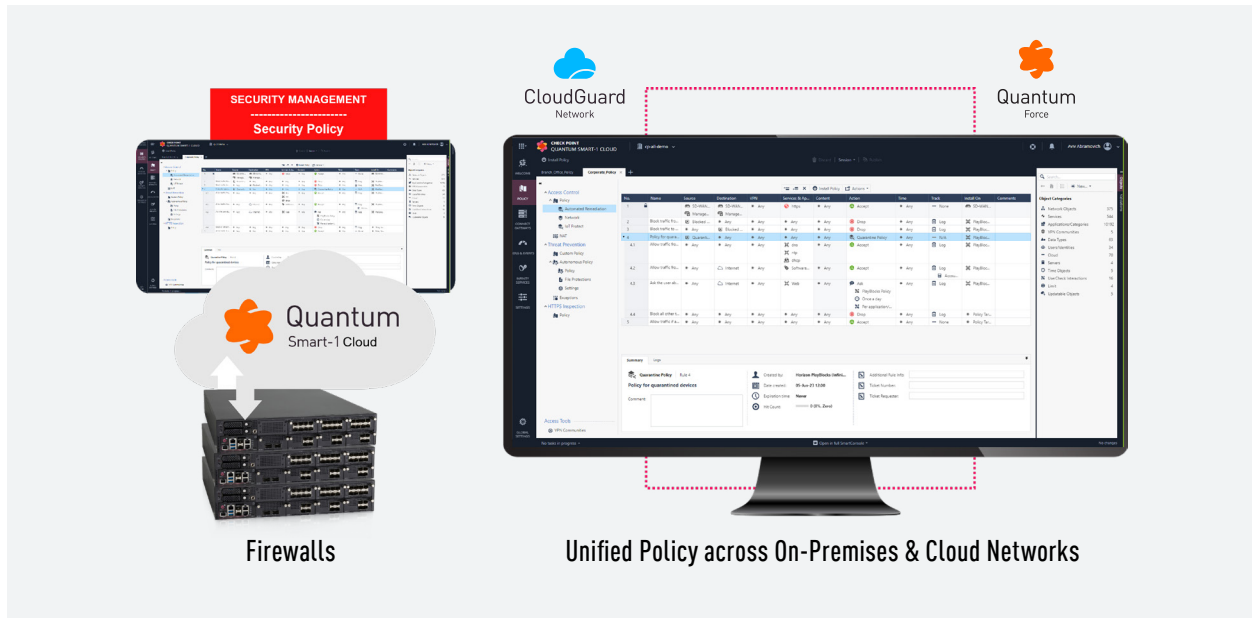
- **Respond immediately to threats and security gaps**
  Real-time visibility, event logging, compliance monitoring, and automated reporting enable rapid analysis of up to 21,000 events/sec

- **Choose SaaS-based or dedicated on-premises management**
  Smart-1 policy and firewall management is available as a cloud service (Smart-1 Cloud) for maximum easy scalability, or on dedicated appliances.

Consolidated Security Policy Across On-Premises and Cloud Networks

Firewalls   Unified Policy across On-Premises & Cloud Networks

For more information:

https://www.checkpoint.com/quantum/