# Quantum Force 9200
## Security Gateway

**YOU DESERVE THE BEST SECURITY**

## Quantum
### Secure the Network

**Top Security Effectiveness**

Check Point #1 for the 2nd year in a row with 99.8% malware block rate in Miercom Next-Generation Firewall Security Benchmark (2024)

**Named a Leader by Top Analyst Firms**

Forrester Wave™ for Zero Trust Platform Providers, Q3 2023
Gartner® Firewall Magic Quadrant™ (2022)

**AI/ML powered Threat Prevention**

Protect networks and users from zero-days, phishing, DNS, and ransomware attacks

**Hyperscale Network Security**

On-demand expansion, load balancing firewall clustering, and resilient access to mission-critical applications

**Unified Management and Ops Efficiency**

Increase protection and reduce TCO with a consolidated security architecture

Quantum 9200 firewalls deliver up to 60 Gbps of firewall and 6.6 Gbps of threat prevention throughput with integrated AI/ML security, power efficiency and space savings in a modular 1 RU platform.

Increase the efficiency of your datacenter's security operations. Prevent even the most advanced attacks before they can infect their target. And manage your on-premises and cloud firewalls from a unified platform.

Fastest AI-Powered Threat Prevention

Network Resilience & Power Efficiency

Unified Security Management

## 9200 Performance Highlights

| Firewall | Next Gen Firewall | Threat Prevention |
|----------|-------------------|-------------------|
| 60 Gbps | 19 Gbps | 6.6 Gbps |

# AI-Powered advanced security and uncompromising performance, built for perimeter applications

Quantum Force 9200 data center firewalls deliver high threat prevention performance in a small 1 RU form factor to protect employees, networks, and data from cyber-theft. One network I/O slot can be configured to fit your network with a high port density of up to 8x1/10G or 4x10/25G port capacity.

## Comprehensive and Industry-Leading Security

- Next Generation Firewall
- Site-to-Site and Remote Access VPN
- Application and Web Filtering
- Intrusion Prevention
- Antivirus and Anti-Bot
- Advanced DNS Security
- Sandboxing with file sanitization
- Zero-phishing (no agent required)

## Highest Performance Threat Prevention

With the 9200, organizations can inspect encrypted traffic and prevent even the most evasive attacks without impacting internal network performance. Achieve 6.6 Gbps of threat prevention throughput or up to 80 Gbps of UDP 1518B firewall throughput with a single 1RU firewall.



**Miercom**

**Check Point is #1 in Miercom 2024 Security Benchmark**
Highest Threat Prevention Scores for 2nd year in a row
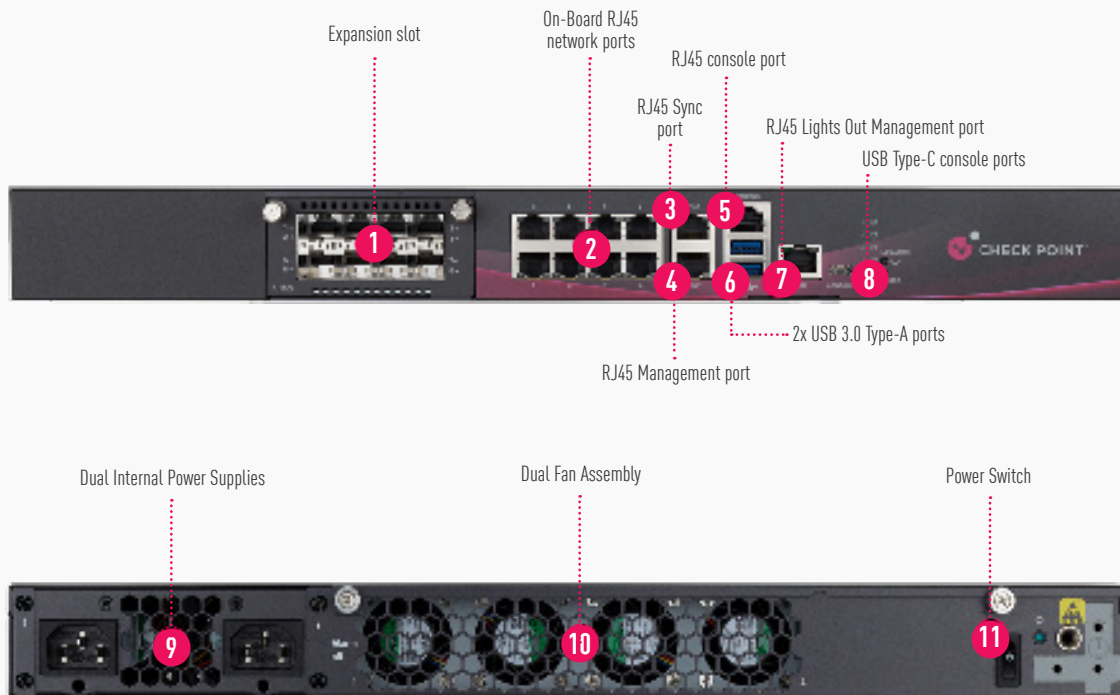
## Modular, High Port Density 1RU Chassis

The 9200 offers the flexibility to fit your changing network requirments. Populate the network I/O slot with your choice of network cards: 8x1/10G, 4x10/25G.

## Power Efficient, Resilient Design

With a low power consumption per Gbps of threat prevention throughput, these large enterprise firewalls cut power costs in half when compared with similar firewalls from other vendors.

## Flexible, High Performance HTTPS Inspection

While commonly used for good, HTTPS traffic can also hide illegal user activity and malicious traffic. Businesses need the ability to inspect a broad range of encrypted TLS 1.3 and HTTP/2 channels while also excluding inspection of sensitive regulated industry traffic, such as Health Care and Financial. Check Point makes it easy to fine-tune HTTPS security using customizeable dynamic security policies.

Expansion slot

On-Board RJ45 network ports

RJ45 Sync port

RJ45 console port

RJ45 Lights Out Management port

USB Type-C console ports

2x USB 3.0 Type-A ports

RJ45 Management port

Dual Internal Power Supplies

Dual Fan Assembly

Power Switch

# Specifications

## Performance

### Enterprise Test Conditions[1]

| | |
|---|---|
| Threat Prevention[2] [Gbps] | 6.6 |
| NGFW[3] [Gbps] | 19 |
| IPS [Gbps] | 31 |
| Firewall [Gbps] | 60 |

### RFC 3511, 2544, 2647, 1242 Performance (Lab)

| | |
|---|---|
| Firewall 1518B UDP [Gbps] | 80 |
| Firewall Latency (avg) | 9µSec |
| VPN AES-GCM 1452B [Gbps] | 28.6 |
| Connections/sec | 250,000 |
| Concurrent connections (Base/Plus/Max) | 2.75M/7.27M/16.2 |

### TLS Inspection Performance

| | |
|---|---|
| Threat Prevention[1,2] [Gbps] | 3.6 |
| Threat Prevention[2] web mix[4] [Gbps] | 2 |
| IPS web mix[4] [Gbps] | 2.9 |

## Additional Features

### Highlights

- CPU: 4 physical cores, total of 8 logical cores
- Storage: 1 SSD 480GB SATA
- 2x Internal AC power supply
- 16 to 64 GB memory options
- Lights-Out-Management card – optional (included in Plus package)

### Network Expansion Slot Options

- 8 x 1/10GBASE-F SFP+ port card
- 4 x 10/25GBASE-F SFP28 port card

[1] Enterprise traffic profile measured with maximum memory
[2] Includes Firewall, App Control, URLF, IPS, Anti Malware and SandBlast (Incl. DNS Security & Zero Phishing) with logging enabled
[3] Includes Firewall, App Control and IPS with logging enabled
[4] Web traffic mix is based on RFC 9411 (NetSecOpen) web traffic profile

## Network

### Network Connectivity
- 802.3ad passive and active link aggregation
- Layer 2 (transparent) and Layer 3 (routing) mode

### High Availability
- Active/Active L2, Active/Passive L2 and L3
- Session failover for routing change, device and link failure
- ClusterXL or VRRP

### IPv6
- NAT66, NAT64, NAT46
- CoreXL, SecureXL, HA with VRRPv3

### Unicast and Multicast Routing (see SK98226)
- OSPFv2 and v3, BGP, RIP
- Static routes, Multicast routes
- Policy-based routing
- PIM-SM, PIM-SSM, PIM-DM, IGMP v2, and v3

## Physical

### Power Requirements
- Single Power Supply rating AC: 200W
- Power input: 100 to 240VAC (47-63Hz)
- Power consumption avg/max: 84.4W/140.8W
- Maximum thermal output AC: 480.1BTU/s

### Dimensions
- Enclosure: 1RU
- Dimensions: (WxDxH): 17.2 x 20 x 1.73 in.(438 x 508 x 44mm)
- Weight: (gross; Kg): 14.8

### Environmental Conditions
- Operating: 0° to 40°C, humidity 5% to 95
- Storing: −20° to 70°C, humidity 5% to 95% at 60°C
- MTBF: > 10 years

### Certifications
- Safety: CB IEC 62368-1, CE LVD EN62368-1, UL62368-1, ASNZS 62368.1
- Emissions: CE, FCC IC, VCCI, ASNZS ACMA
- Environmental: ROHS, REACH, WEEE, ISO14001

## Maximum Virtual System Capacity

|  | Firewall VS | Firewall + IPS VS | Next Gen Threat Prevention VS |
|---|---|---|---|
| Base model | 48 | 24 | 9 |
| Plus model | 48 | 24 | 12 |
| Max capacity | 48 | 24 | 12 |
| Maestro / MHS | 48 | 24 | 12 |

## Ordering Quantum Force 9200 Security Gateway

The 9200 includes 1x RJ45 (1 GbE copper) management port plus an additional 1x RJ45 (1 GbE copper) port for synchronization when using the 9200 PLUS in a cluster. With one network I/O slot, modify the base or plus configuration to meet your networking requirements.

| | On-Board[1] RJ45 | 1/10 GbE fiber | 10/25 GbE Fiber | Memory | Redundant Power | Redundant Storage | LOM |
|---|---|---|---|---|---|---|---|
| Base model | 10 | 0 | 0 | 16 GB | ● | ○ | ○ |
| Plus model | 10 | 8 | 0 | 32 GB | ● | ○ | ● |
| Max capacity | 10 | 8 | 4 | 64 GB | ● | ○ | ● |
| Maestro / MHS | 10 | 0 | 4 | 32 GB | ● | ○ | ● |

[1] The RJ45 port count includes the Management & Sync ports
● Avialable
○ Unavialable

| SECURITY APPLIANCE [1] | SKU |
|---|---|
| 9200 Base configuration: 1x RJ45 (1GbE Copper) management port & 1x RJ45 (1GbE Copper) sync port, 8x 1/10GbE SFP+ ports, 16 GB RAM, 1x 480 GB SSD SATA, 2x AC PSUs, fixed rails, SandBlast (SNBT) Security Subscription Package for 1 Year | CPAP-SG9200-SNBT |
| 9200 Plus configuration: 1x RJ45 (1GbE Copper) management port & 1x RJ45 (1GbE Copper) sync port, 8x 1/10GbE SFP+ ports, 32 GB RAM, 1x 480 GB SSD NVMe, 2x AC PSUs, Lights-Out Management (LOM), fixed rails, SandBlast (SNBT) Security Subscription Package for 1 Year | CPAP-SG9200-PLUS-SNBT |
| Quantum Force 9200 Maestro / MHS HyperScale configuration: 1x RJ45 (1GbE Copper) management port & 1x RJ45 (1GbE Copper) sync port, on-board 8x RJ45 ports, 4x 10/25GbE SFP+ ports, 32 GB RAM, 1x 480 GB SSD SATA, 2x AC PSUs, Lights-Out Management (LOM), 2x 25GbE DAC 3M, fixed rails, SandBlast (SNBT) Security Subscription Package for 1 Year | CPAP-SG9200-PLUS-MHS-SNBT |
| Quantum Force 9200 Maestro / MHS HyperScale configuration with 1 MHO-140 orchestrator and 2 Quantum Force 9200 appliances, each appliance includes 1x RJ45 (1GbE Copper) management port & 1x RJ45 (1GbE Copper) sync port, on-board 8x RJ45 ports, 4x 10/25GbE SFP+ ports, 32 GB RAM, 1x 480 GB SSD SATA, 2x AC PSUs, Lights-Out Management (LOM), 2x 25GbE DAC 3M, fixed rails, SandBlast (SNBT) Security Subscription Package for 1 Year | CPAP-MHS-9202-PLUS-SNBT |
| Quantum Force 9200 Maestro / MHS HyperScale configuration with 1 MHO-140 orchestrator and 3 Quantum Force 9200 appliances, each appliance includes 1x RJ45 (1GbE Copper) management port & 1x RJ45 (1GbE Copper) sync port, on-board 8x RJ45 ports, 4x 10/25GbE SFP+ ports, 32 GB RAM, 1x 480 GB SSD SATA, 2x AC PSUs, Lights-Out Management (LOM), 2x 25GbE DAC 3M, fixed rails, SandBlast (SNBT) Security Subscription Package for 1 Year | CPAP-MHS-9203-PLUS-SNBT |
| Next Generation Threat Prevention & SandBlast package for 1 year for Quantum Force 9200 appliance | CPSB-SNBT-9200-1Y |
| Next Generation Threat Prevention package for 1 year for Quantum Force 9200 appliance | CPSB-NGTP-9200-1Y |
| Next Generation Firewall Package for 1 year for Quantum Force 9200 appliance | CPSB-NGFW-9200-1Y |
| Quantum IoT Network Protection for 1 year for Quantum Force 9200 appliances | CPSB-IOTP-9200-1Y |
| Quantum SD-WAN subscription for 1 year for Quantum Force 9200 appliances | CPSB-SDWAN-9200-1Y |
| Data Loss Prevention (DLP) blade for 1 year for Quantum Force 9200 appliances | CPSB-DLP-9200-1Y |

[1] The Base & Plus packages include 2 virtual systems (VS)—one management VS and one production/data VS which are not additive or counted when adding additional VS licenses.

# ACCESSORIES

| INTERFACE CARDS & TRANSCEIVERS | SKU |
|---|---|
| 8 Port 1/10 G Base-F SFP+ interface card for 9000/19000/29000 appliances | CPAC-8-1/10F-D |
| 4 Port 10/25G Base-F SFP28 interface card for 9000/19000/29000 appliances | CPAC-4-10/25F-D |
| **Compatible with the CPAC-4-10/25F-D Interface Cards** | |
| SFP28 transceiver module for 25GbE fiber ports - short range (25GBASE-SR), MM Fiber, LC | CPAC-TR-25SR-D |
| SFP28 transceiver module for 25GbE fiber ports - long range (25GBASE-LR), SM Fiber, LC | CPAC-TR-25LR-D |
| SFP+ transceiver module for 10GbE fiber ports - long range (10GBASE-LR), SM Fiber, LC | CPAC-TR-10LR-D |
| SFP+ transceiver module for 10GbE fiber ports - short range (10GBASE-SR), MM Fiber, LC | CPAC-TR-10SR-D |
| SFP+ transceiver module for 10GbE fiber ports - for links up to 40km (10GBASE-ER), SM Fiber, LC | CPAC-TR-10ER-D |
| SFP+ transceiver 10GBASE-T RJ45 (Copper) - for links up to 30m over CAT6a/CAT7, CU, RJ45 | CPAC-TR-10T-D |

| INTERFACE CARDS & TRANSCEIVERS Cont. | SKU |
|---|---|
| **Compatible with the CPAC-8-1/10F-D and CPAC-4-10/25F-D, Interface Cards** | |
| SFP transceiver module for 1000 BASE fiber ports - long range (1000BASE-LX), SM Fiber, LC | CPAC-TR-1LX-D |
| SFP transceiver module for 1000 BASE fiber ports - short range (1000BASE-SX), MM Fiber, L | CPAC-TR-1SX-D |
| SFP transceiver to 1000 BASE-T RJ45 (Copper), CU, RJ45 | CPAC-TR-1T-D |
| SFP+ transceiver module for 10GbE fiber ports - long range (10GBASE-LR), SM Fiber, LC | CPAC-TR-10LR-D |
| SFP+ transceiver module for 10GbE fiber ports - short range (10GBASE-SR), MM Fiber, LC | CPAC-TR-10SR-D |
| SFP+ transceiver module for 10GbE fiber ports - for links up to 40km (10GBASE-ER), SM Fiber, LC | CPAC-TR-10ER-D |
| SFP+ transceiver 10GBASE-T RJ45 (Copper) - for links up to 30m over CAT6a/CAT7, CU, RJ45 | CPAC-TR-10T-D |

| DIRECT ATTACH CABLES (DAC) | SKU |
|---|---|
| 10GbE Direct Attach Cable (DAC), 3m length for CPAC-8-1/10F-D, CPAC-4-10/25F-D | CPAC-DAC-10G-3M-D |
| 25GbE Direct Attach Cable (DAC), 3m length for CPAC-4-10/25F-D | CPAC-DAC-25G-3M-D |

| COMPATIBLE WITH SYNC PORT INTERFACE | SKU |
|---|---|
| SFP transceiver module for 1000 BASE fiber ports - short range (1000BASE-SX), MM Fiber, LC | CPAC-TR-1SX-D |
| SFP transceiver to 1000 BASE-T RJ45 (Copper), CU, RJ45 | CPAC-TR-1T-D |
| SFP+ transceiver module for 10GbE fiber ports - short range (10GBASE-SR) MM Fiber, LC | CPAC-TR-10SR-D |
| SFP+ transceiver 10GBASE-T RJ45 (Copper) - for links up to 30m over CAT6a/CAT7 | CPAC-TR-10T-D |
| 10GbE Direct Attach Cable (DAC), 3m length | CPAC-DAC-10G-3M-D |
| SFP28 transceiver module for 25GbE fiber ports - short range (25GBASE-SR) MM Fiber, LC | CPAC-TR-25SR-D |
| 25GbE Direct Attach Cable (DAC), 3m length | CPAC-DAC-25G-3M-D |

| MEMORY | SKU |
|---|---|
| 16GB Memory upgrade kit for 9100-9400 appliances | 16GB Memory upgrade kit for 9100-9400 appliances |
| 32GB Memory upgrade kit for 9100-9400 appliances | 32GB Memory upgrade kit for 9100-9400 appliances |
| 48GB Memory upgrade kit for 9100-9400 appliances | 48GB Memory upgrade kit for 9100-9400 appliances |

| SPARES AND MISCELLANEOUS | SKU |
|---|---|
| Lights-Out Management Module for 9000/19000/29000 appliances | CPAC-NLOM-D |
| Slide rails for 9000 Security Gateways (22¨ - 32¨) | CPAC-Rails-9000 |
| Telescopic slide rails for 9000 Security Gateways (24¨ - 36¨) | CPAC-RAILS-EXT-9000 |
| Blank NIC cover for 900/19000/29000 appliances | CPAC-NIC-COVER-D |

# SUBSCRIPTION SERVICES

| | NGFW | NGTP | SNBT (SandBlast) |
|---|---|---|---|
| Application Control | ✔ | ✔ | ✔ |
| IPS | ✔ | ✔ | ✔ |
| URL Filtering | | ✔ | ✔ |
| Anti-Bot | | ✔ | ✔ |
| Anti-Virus | | ✔ | ✔ |
| Anti-Spam | | ✔ | ✔ |
| DNS Security | | ✔ | ✔ |
| SandBlast Threat Emulation (sandboxing) | | | ✔ |
| SandBlast Threat Extraction (CDR) | | | ✔ |
| Zero Phishing | | | ✔ |
| IoT Network Protection | optional | optional | optional |
| SD-WAN Network Optimization | optional | optional | optional |

The first-year purchase includes the SNBT package. Security subscription renewals, NGFW, NGTP and SNBT are available for subsequent years.

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