

# Quantum Force 3920

Security Gateway



Optimized for SD-WAN 

YOU DESERVE THE BEST SECURITY



## Top Security Effectiveness

Check Point has been ranked #1 for the third consecutive year, achieving a 99.9% malware block rate, 99.7% phishing prevention and 98% high and critical exploit prevention in the **Miercom Hybrid Mesh Firewall Benchmark 2025**

Named a Leader by Top Analyst Firms  
**Forrester Wave™ for Enterprise Firewalls 2024**

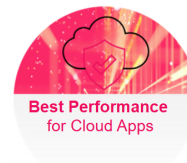
Check Point Recognized as a Leader and Outperformer for Enterprise Firewalls  
**GigaOm Radar for Enterprise Firewalls 2025**

Quantum Force 3920 branch office firewalls deliver up to 20 Gbps of firewall throughput and 3.2 Gbps of Threat Prevention throughput. It includes Check Point's full AI-powered security and real-time threat intelligence – in a space saving desktop form factor.

The 3920 is optimized for SD-WAN and high-speed connectivity to support the demanding requirements of today's hybrid mesh branch office networks.



AI-Powered Industry-Leading Threat Prevention



Best Performance for Cloud Apps



Unified Management

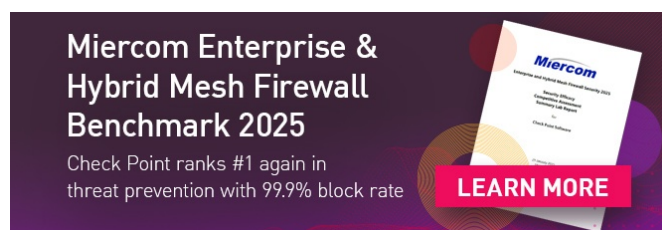
## Quantum Force 3920 Performance Highlights

Firewall	Next Gen Firewall	Threat Prevention
20 Gbps	7.8 Gbps	3.2 Gbps

## Productivity Loss and Cyber Risks in Branch Offices

Today's branch offices are on the frontline, directly interacting with customers and the public. They directly connect the public cloud and internet which expose them to cyber threats. This often makes branch offices a weak link in enterprise network security.

As employees return to the office, they experience downgraded network performance compared to their high-speed home internet. Suddenly, the same bandwidth-hungry SaaS and enterprise apps become frustrating to use at the office due to lag, choppiness, and freeze ups.



## Frontline Defense for the Branch

### Secure, Blazing Fast SaaS Apps

The 3920 delivers 4x higher threat prevention throughput compared to previous models. This ensures secure, blazing fast network performance for SaaS productivity apps like Zoom, Teams, Salesforce, etc.

## 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
- Malware Prevention
- Sandboxing
- Zero-phishing (no agent required)
- HTTPS Inspection (Layer 1-7)
- DLP, IoT Security
- SD-WAN

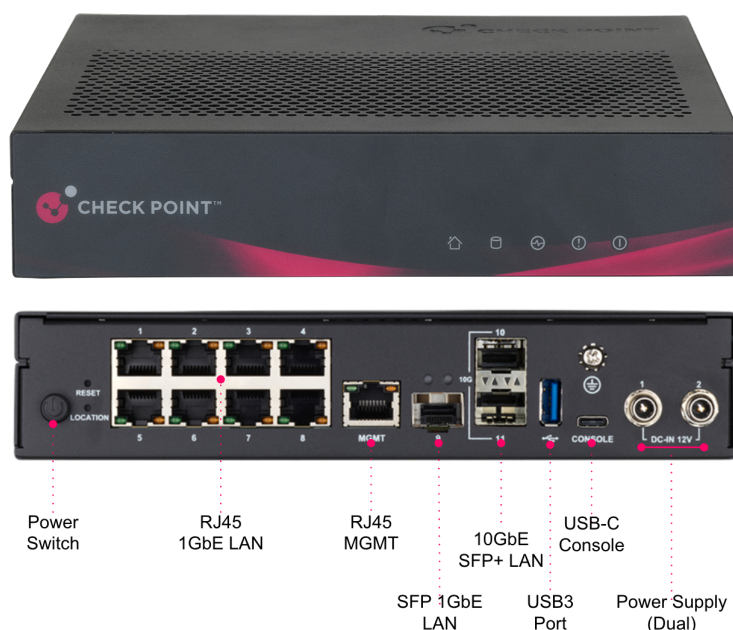
## High Speed Connectivity & SD-WAN

The 3920 is optimized for SD-WAN has redundant power supply, 10x 1GbE and 2x 10GbE connections to support highspeed and network in today's hybrid mesh branch networks.

## High Performance HTTPS Inspection

While commonly used for good, HTTPS web traffic can also hide illegal user activity and malicious traffic. Enterprises need the ability to inspect a broad range of encrypted TLS 1.3 and HTTPS 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 customizable dynamic security policies.

## Quantum Force 3920



## Specifications

### Performance

#### Enterprise Test Conditions<sup>1</sup>

Threat Prevention <sup>2</sup> [Gbps]	3.2
Next Generation Firewall <sup>3</sup> [Gbps]	7.8
IPS Throughput [Gbps]	11.5
Firewall Throughput [Gbps]	20

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

Firewall 1518 bytes UDP [Gbps]	20
Firewall Latency (µSec)	27
VPN AES-GCM 1452B [Gbps]	9.5
Connections/Sec	95,000
Concurrent Connections (M)	2.75

#### TLS Inspection Performance

Threat Prevention <sup>1,2</sup> [Gbps]	0.95
Threat Prevention <sup>2</sup> web mix <sup>4</sup> [Gbps]	0.6
IPS web mix <sup>4</sup> [Gbps]	0.8

<sup>1</sup> Enterprise traffic profile measured with maximum memory.

<sup>2</sup> Includes Firewall, App Control, URLF, IPS, Anti Malware and Sandblast (Incl. DNS Security & Zero Phishing) with logging enabled.

<sup>3</sup> Includes Firewall, App Control and IPS with logging enabled.

<sup>4</sup> Web traffic mix is based on RFC 9411 (Netscape) web traffic profile.

### Additional Features

#### Highlights

- 1 CPU, 6 Physical Cores
- 16 GB RAM
- 480 GB SSD NVME M.2
- 2x external AC-DC power adapters
- Desktop (Rack Mount installation - optional)

## Network

### Network Connectivity

- Optimized for SD-WAN, network efficiency and resilience
- Total physical and virtual (VLAN) interfaces per appliance: 1024/4096 (single gateway/with virtual systems)
- 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
- Cluster or VRRP

### IPv6

- NAT66, NAT64, NAT46
- CoreL, 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

- Dual External AC-DC Adaptors
- Single AC-DC Adaptor ratings: 60W
- Power input: 100 to 240VAC (50-60Hz)
- Power consumption avg/max: 27W/34W
- Maximum thermal output avg/max: 91.84 BTU/hr. /115.466 BTU/hr

### Dimensions

- Enclosure: Desktop
- Dimensions (WxDxH): 8.26 x 7.08 x 1.67 in. (210 x 180 x 42.5mm)
- Weight: 2.286 lbs / 1.037 kg
- Box Weight: 4.839 lbs / 2.195 kg
- Box Dimensions: 10.43 in(L) x 9.45 in(W) x 4.33 in(H)  
26.5 cm(L) x 24 cm(W) x 11 cm(H)

### Environmental Conditions

- Operating: 32°F - 104°F 0°C - 40°C, humidity 5% to 95%
- Storage: -4°F - 158°F -20° - 70°C, humidity 5% to 95%
- MTBF: > 195543 hrs @ 25°C / 122501 hrs @ 40°
- Noise Level: 0db (Fanless)

### 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

Hardware	QF 3920
RJ-45 (1 GbE)	8 x 1GbE
SFP	1 x 1GbE
SFP+	2 x 10GbE
Console	USB Type C
USB	1 x USB 3.0 Type A
Memory	16 GB
Storage	480 GB SSD NVME M.2
PSU	Dual (External)
Dimensions	
Dimensions (W x D x H)	8.26 x 7.64 x 1.67 in. (210 x 194 x 42.5mm)
Weight	2.286 lbs. / 1.037 kg
Environment	
Operating / Storage	32°F - 104°F 0°C ~ 40°C / -4°F - 158°F -20° - 70°C
MTBF	195543 hrs @ 25°C / 122501 hrs @ 40°C
Power Requirements	
AC Input	100 to 240VAC (50-60Hz)
Power Supply Rating	12V/5A 60W power adapter
Power Consumption Max.	33.8W
Heat Dissipation - Max (BTU/hr.)	115.5
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

## VIRTUAL SYSTEM

	Firewall VS	Firewall + IPS VS	Next Gen Threat Prevention VS
# of VS's	17	10	5

## ORDERING QUANTUM FORCE 3920 SECURITY GATEWAY

The 3920 includes 1x1GbE copper GbE management port plus an additional 8 1GbE ports for synchronization when using the 3920 in a cluster. With the 8 network I/O ports, to meet your networking requirements.

Security Appliance	SKU
3920 configuration: 1x1GbE RJ45 management port & 1x1GbE RJ45 sync port, on-board 8x1GbE RJ45 ports, 1x1GbE SFP ports, 2x10GbE SFP+ ports, 16 GB RAM, 1x 480 GB SSD SATA, 1x AC external PSUs, SandBlast (SNBT) Security Subscription Package for 1 Year	CPAP-SG3920-SNBT
Next Generation Threat Prevention & SandBlast package for 1 year for Quantum Force 3920 appliance	CPSB-SNBT-3920-1Y
Next Generation Threat Prevention package for 1 year for Quantum Force 3920 appliance	CPSB-NGTP-3920-1Y
Next Generation Firewall Package for 1 year for Quantum Force 3920 appliance	CPSB-NGFW-3920-1Y
Quantum IoT Network Protection for 1 year for Quantum Force 3920 appliances	CPSB-IOTP-3920-1Y
Quantum SD-WAN subscription for 1 year for Quantum Force 3920 appliances	CPSB-SDWAN-3920-1Y
Data Loss Prevention (DLP) blade for 1 year for Quantum Force 3920 appliances	CPSB-DLP-3920-1Y

Accessories	SKU
Replacement Power Supply for 2550W5G, 2570W, 2590, 2590W, 2680, 3920 and 3950 models	CPAC-2550W5G/2590/3920/3950-PSU
Rack Mount shelf for Single/Dual 2500/ 3920/ 3950 desktop appliances. The mount does not support Wi-Fi models	CPAC-2500/3900-RM-DUAL
Rack Mount ears for 2570, 2590, 2680, 3920, 3950 models	CPAC-2590/2680/3900-RM-EARS

Transceiver Type	Supported Ports	Supported Rate	SKU
10GBASE-LR SFP+	WAN SFP+ Ports	10 GbE	CPAC-TR-10LR-D
10GBASE-SR SFP+	WAN SFP+ Ports	10 GbE	CPAC-TR-10SR-D
10GBASE-T SFP+	WAN SFP+ Ports	10 GbE	CPAC-TR-10T-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			✓
DLP	Optional	Optional	Optional
IoT	Optional	Optional	Optional
SD-WAN	Optional	Optional	Optional

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