CHECK POINT™

Quantum Force 3980

Security Gateway

Optimized for SD-WAN ⟩➤

Quantum Network 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 3980 branch office firewalls deliver up to 40 Gbps of firewall throughput and 7 Gbps of Threat Prevention throughput. It includes Check Point's comprehensive AI-powered security and real-time threat intelligence, in a compact 1U rack mount size.

The 3980 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 3980 Performance Highlights

Firewall	Next Gen Firewall	Threat Prevention
40 Gbps	20 Gbps	7 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.

Miercom Enterprise & Hybrid Mesh Firewall Benchmark 2025

Check Point ranks #1 again in threat prevention with 99.9% block rate

LEARN MORE

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

Frontline Defense for the Branch

Secure, Blazing Fast SaaS Apps

The 3970 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.
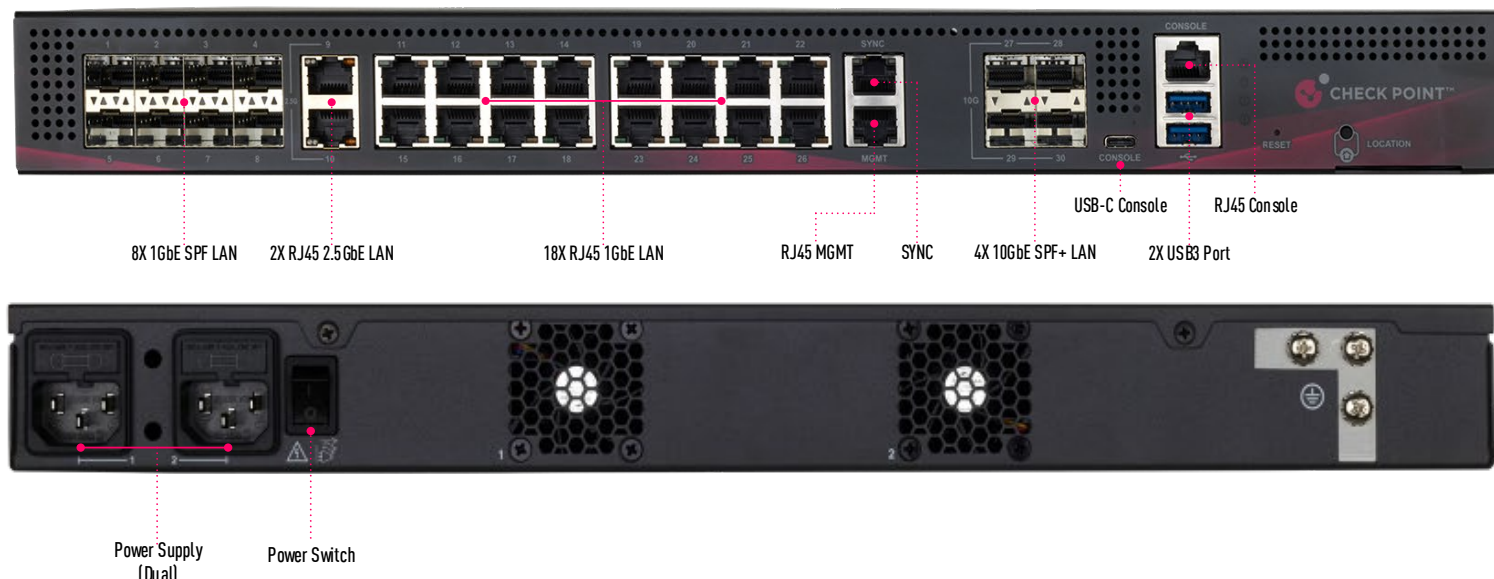
High Speed Connectivity & SD-WAN

The 3980 is optimized for SD-WAN has redundant power supply, 18x 1GbE, 2x 2.5GbE, 8x 1GbE SFP ports and 4x 10GbE connections to support highspeed 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 3980

8X 1GbE SPF LAN   2X RJ45 2.5GbE LAN   18X RJ45 1GbE LAN   RJ45 MGMT   SYNC   4X 10GbE SPF+ LAN   USB-C Console   RJ45 Console   2X USB3 Port

Power Supply (Dual)   Power Switch

Specifications

Performance

Enterprise Test Conditions[1]

Threat Prevention[2] [Gbps]	7
Next Generation Firewall[3] [Gbps]	20
IPS Throughput [Gbps]	28.5
Firewall Throughput [Gbps]	40

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

Firewall 1518 bytes UDP [Gbps]	40
Firewall Latency Avg. (µSec)	12
VPN AES-GCM 1452B [Gbps]	23
Connections/Sec	195,000
Concurrent Connections (M)	7.2

TLS Inspection Performance

Threat Prevention[1,2] [Gbps]	2.1
Threat Prevention[2] web mix[4] [Gbps]	1.25
IPS web mix[4] [Gbps]	1.65

Additional Features

Highlights

- 1 CPU, 8 Physical Cores
- 32 GB RAM
- 480 GB NVME SSD M.2
- 2x AC internal PSUs
- 1U Rack Mount

[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

- 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
- 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

- Dual Internal PSUs
- Single PSU ratings: 135W
- Power input: 100 to 240VAC (50-60Hz)
- Power consumption avg/max: 64W/76W
- Maximum thermal output avg/max: 160.73 BTU/hr. / 191.07 BTU/hr.

Dimensions

- Enclosure: 1U Rack Mount
- Dimensions (WxDxH): 16.93 x 11.81 x 1.74 in. (430.0 x 300.0 x 44.2mm)
- Weight: 9.328 lbs / 4.231 kg
- Box Weight: 12.996 lbs / 5.895 kg
- Box Dimensions: 22.44 in(L) x 18.11 in(W) x 6.57 in(H)
  57 cm(L) x 46 cm(W) x 16.7 cm(H)

Environmental Conditions

- Operating: 32°F - 104°F 0ºC - 40ºC, humidity 5% to 95%
- Storage: -4°F - 158°F −20° - 70°C, humidity 5% to 95%
- MTBF: 158918 hrs @ 25°C / 85659 hrs @ 40°C
- Noise Level: 43dB

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 3980
RJ-45 (1 GbE)	18x 1GbE
RJ-45 (2.5 GbE)	2x 2.5GbE
SFP	8x 1GbE
SFP+	4x 10GbE
Console	USB Type C & RJ-45
USB	2x USB 3.0 Type A
Memory	32 GB
Storage	480 GB NVME SSD M.2
PS	Dual (internal)
Dimensions	
Dimensions (WxDxH)	16.93 x 11.81 x 1.74 in. (430.0 x 300.0 x 44.2mm)
Weight	9.328 lbs. / 4.231 kg.
Environment	
Operating / Storage	32°F - 104°F 0ºC - 40ºC / -4°F - 158°F −20° - 70°C
MTBF	158918 hrs @ 25°C / 85659 hrs @ 40°C
Power Requirements	
AC Input	100 - 240VAC (50-60Hz)
Power Consumption (Max/Avg)	76.18W /63.76W
Heat Dissipation Max /Avg. (BTU/hr.)	259.926 / 217.549
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	28	14	7

ORDERING QUANTUM FORCE 3980 SECURITY GATEWAY

The 3980 includes 1x1GbE copper GbE management port plus an additional 18x 1GbE ports for synchronization when using the 3980 in a cluster. With the 8 network I/O ports, to meet your networking requirements. The 2x2.5GbE, 8x1GbE SFP Port and 4x10GbE SFP+ enable firewall traffic acceleration at line-rate.

Security Appliance	SKU
3980 configuration: 1x1GbE RJ45 management port & 1x1GbE RJ45 sync port, on-board 18x1GbE RJ45 ports, 2x2.5GbE RJ45 ports, 8x1GbE SFP ports, 4x10GbE SFP+ ports, 32 GB RAM, 1x 480 GB SSD SATA, 2x AC internal PSUs, fixed rails, SandBlast (SNBT) Security Subscription Package for 1 Year	CPAP-SG3980-SNBT
Next Generation Threat Prevention & SandBlast package for 1 year for Quantum Force 3980 appliance	CPSB-SNBT-3980-1Y
Next Generation Threat Prevention package for 1 year for Quantum Force 3980 appliance	CPSB-NGTP-3980-1Y
Next Generation Firewall Package for 1 year for Quantum Force 3980 appliance	CPSB-NGFW-3980-1Y
Quantum IoT Network Protection for 1 year for Quantum Force 3980 appliances	CPSB-IOTP-3980-1Y
Quantum SD-WAN subscription for 1 year for Quantum Force 3980 appliances	CPSB-SDWAN-3980-1Y
Data Loss Prevention (DLP) blade for 1 year for Quantum Force 3980 appliances	CPSB-DLP-3980-1Y

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