

# Quantum Force 3970

## 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 3970 branch office firewalls deliver up to 40 Gbps of firewall throughput and 4.25 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 3970 is optimized for SD-WAN, 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 3970 Performance Highlights

| Firewall | Next Gen Firewall | Threat Prevention |
|----------|-------------------|-------------------|
| 40 Gbps  | 12.5 Gbps         | 4.25 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.



### 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.

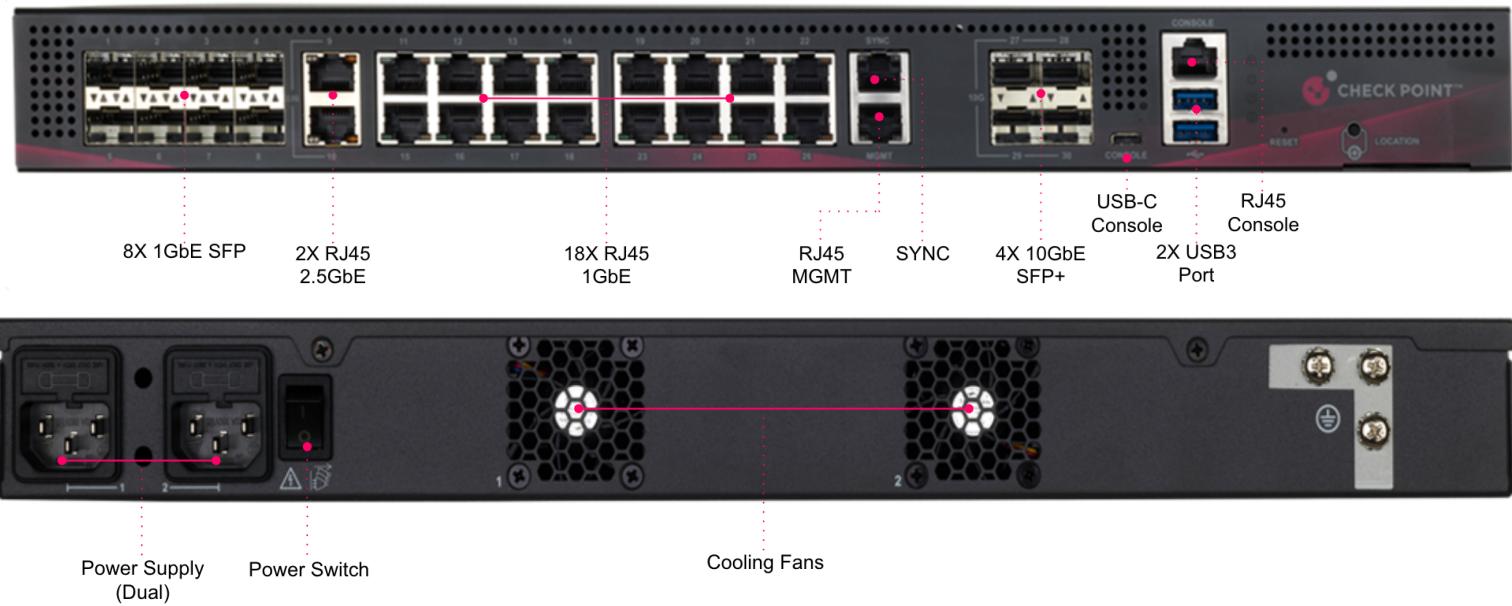
#### High Speed Connectivity & SD-WAN

The 3970 is optimized for SD-WAN has redundant power supply, 16x 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 3970



## Specifications

### Performance

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

|  |      |   |
|--|------|---|
| Threat Prevention <sup>2</sup> [Gbps]        | 4.25 | Highlights  |
| Next Generation Firewall <sup>3</sup> [Gbps] | 12.5 | <ul style="list-style-type: none"> <li>1 CPU, 8 Physical Cores</li> <li>32 GB RAM</li> <li>480 GB NVME SSD M.2</li> <li>2x AC internal PSUs</li> <li>1U Rack Mount</li> </ul> |
| IPS Throughput [Gbps]                        | 17   |   |
| Firewall Throughput [Gbps]                   | 40   |   |

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

|                                |         |
|--------------------------------|---------|
| Firewall 1518 bytes UDP [Gbps] | 40      |
| Firewall Latency (μSec)        | 19      |
| VPN AES-GCM 1452B [Gbps]       | 13      |
| Connections/Sec                | 140,000 |
| Concurrent Connections (M)     | 7.2     |

#### TLS Inspection Performance

|  |      |
|--|------|
| Threat Prevention <sup>1,2</sup> [Gbps]                    | 1.4  |
| Threat Prevention <sup>2</sup> web mix <sup>4</sup> [Gbps] | 0.85 |
| IPS web mix <sup>4</sup> [Gbps]                            | 1.15 |

<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 (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: 12.963 lbs / 5.880 kg
- Box Dimensions: 22.4 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 0°C - 40°C, 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

## VIRTUAL SYSTEM

|           | Firewall VS | Firewall + IPS VS | Next Gen Threat Prevention VS |
|-----------|-------------|-------------------|-------------------------------|
| # of VS's | 28          | 14                | 7                             |

| Hardware                             | QF 3970  |
|--------------------------------------|--|
| RJ-45 (1 GbE)                        | 16x 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.                                     |
| Shipping Carton size (W x D x H)     | 22.4 in x 18.1 x 6.5 in. (570 x 460 x 167 mm)              |
| Shipping Carton Weight               | 12.963 lbs. / 5.880 kg                                     |
| Environment                          |  |
| Operating / Storage                  | 32°F - 104°F 0°C - 40°C / -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                                |

## ORDERING QUANTUM FORCE 3970 SECURITY GATEWAY

The 3970 includes 1x1GbE copper GbE management port plus an additional 16x 1GbE ports for synchronization when using the 3970 in a cluster. With the 8 network I/O ports, to meet your networking requirements.

| Security Appliance  | SKU                |
|---|--------------------|
| 3970 configuration: 1x1GbE RJ45 management port & 1x1GbE RJ45 sync port, on-board 16x1GbE 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-SG3970-SNBT   |
| Next Generation Threat Prevention & SandBlast package for 1 year for Quantum Force 3970 appliance   | CPSB-SNBT-3970-1Y  |
| Next Generation Threat Prevention package for 1 year for Quantum Force 3970 appliance   | CPSB-NGTP-3970-1Y  |
| Next Generation Firewall Package for 1 year for Quantum Force 3970 appliance  | CPSB-NGFW-3970-1Y  |
| Quantum IoT Network Protection for 1 year for Quantum Force 3970 appliances   | CPSB-IOTP-3970-1Y  |
| Quantum SD-WAN subscription for 1 year for Quantum Force 3970 appliances  | CPSB-SDWAN-3970-1Y |
| Data Loss Prevention (DLP) blade for 1 year for Quantum Force 3970 appliances   | CPSB-DLP-3970-1Y   |

| Transceiver Type | Supported Ports         | Supported Rate | SKU            |
|------------------|-------------------------|----------------|----------------|
| 1000BASE-LX SFP  | SFP Ports<br>SFP+ Ports | 1 GbE          | CPAC-TR-1LX-D  |
| 1000BASE-SX SFP  | SFP Ports<br>SFP+ Ports | 1 GbE          | CPAC-TR-1SX-D  |
| 1000BASE-T SFP   | SFP Ports<br>SFP+ Ports | 1 GbE          | CPAC-TR-1T-D   |
| 10GBASE-LR SFP+  | SFP+ Ports              | 10 GbE         | CPAC-TR-10LR-D |
| 10GBASE-SR SFP+  | SFP+ Ports              | 10 GbE         | CPAC-TR-10SR-D |
| 10GBASE-T SFP+   | 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         |

**Worldwide Headquarters**

5 Shlomo Kaplan Street, Tel Aviv 6789159, Israel | Tel: +972-3-753-4599

**U.S. Headquarters**

100 Oracle Parkway, Suite 800 Redwood City, CA 94065 | Tel: 1-800-429-4391

[www.checkpoint.com](http://www.checkpoint.com)

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