

QUANTUM 6900 SECURITY GATEWAY



Quantum Security Gateway™ Advantage

Protect larger environments

Greater resilience, faster operations

Handle more workloads

Check Point Quantum 6900 Next Generation Firewalls enables enterprises to deploy the industry's leading threat prevention capabilities at all points of their infrastructure, scaling security almost infinitely according to their changing business needs. It also dramatically accelerates the efficiency of their security operations. This enables enterprises to prevent and block even the most advanced attacks, before they can disrupt business.



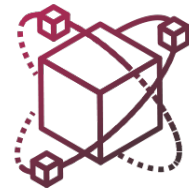
Always Protected against Gen V

Highest caliber prevention with unified security



Security at Hyperscale

On-demand expansion with hyperscalability



Efficient Operations

Cut operation management time by up to 80%

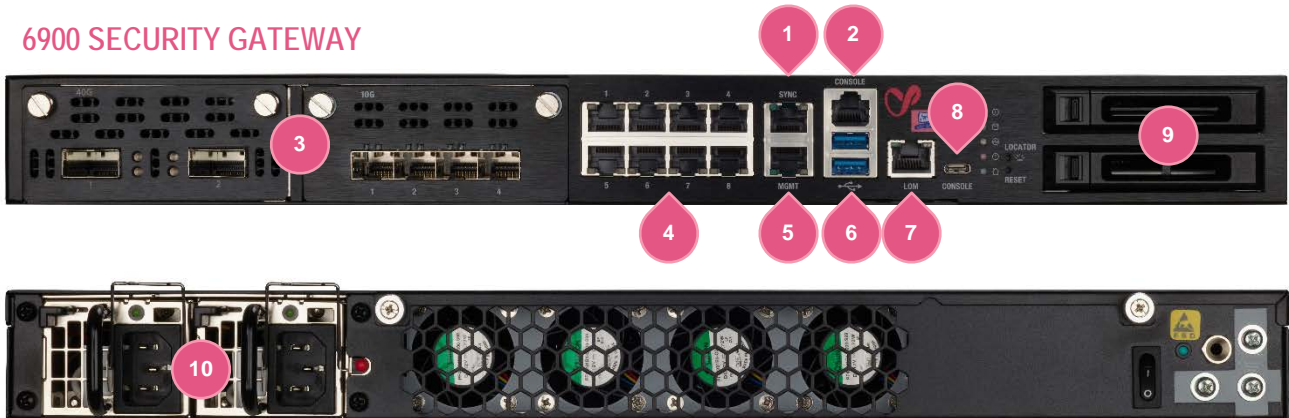
PERFORMANCE HIGHLIGHTS

| Gen II Security Firewall | Gen III Security NGFW ¹ | Gen V Security Threat Prevention + SandBlast ² |
|--------------------------|------------------------------------|---|
| 37 Gbps | 13 Gbps | 7.4 Gbps |

Performance measured with enterprise testing conditions. Additional performance details on page 3. 1: Includes Firewall, Application Control, and IPS. 2: Includes Firewall, Application Control, URL Filtering, IPS, Antivirus, Anti-Bot and SandBlast Zero-Day Protection.

SPOTLIGHT

6900 SECURITY GATEWAY



- | | |
|---------------------------------------|---------------------------------------|
| 1. Sync 10/100/1000 Base-T port | 6. 2x USB 3.0 ports |
| 2. RJ45 console port | 7. Lights-out Management port |
| 3. 2x network card expansion slots | 8. USB Type-C console port |
| 4. 8x 10/100/1000 Base-T ports | 9. 2x 480GB SSD RAID1 |
| 5. Management 10/100/1000 Base-T port | 10. Redundant hot-swap power supplies |

Prevent Known and Zero-day Threats

Check Point SandBlast Network is an evasion-resistant sandbox that provides zero-day protection from advanced and unknown threats. SandBlast Threat Extraction (CDR) ensures quick delivery of safe email and web content to users.

| | NGFW | NGTP | SNBT |
|-------------------------------|------|------|------|
| Firewall, VPN, Mobile Access | ✓ | ✓ | ✓ |
| Content Awareness | ✓ | ✓ | ✓ |
| Application Control | ✓ | ✓ | ✓ |
| Intrusion Prevention System | ✓ | ✓ | ✓ |
| URL Filtering | | ✓ | ✓ |
| Antivirus and Anti-Bot | | ✓ | ✓ |
| Threat Emulation (sandboxing) | | | ✓ |
| Threat Extraction (CDR) | | | ✓ |

Next Generation Firewall, Next Generation Threat Prevention and Threat Prevention + SandBlast packages

All-inclusive Security Solutions

Check Point 6900 security gateways include all security technologies including the SandBlast (sandboxing) software package for one year. Purchase a renewal for NGFW, NGTP or SandBlast (SNBT) for subsequent years as you like.

Flexible I/O Options

The 6900 includes 10 on-board 1 GbE copper ports. Add additional I/O as you like in the two expansion slots; 8x 1GbE copper, 4x 1GbE fiber, 4x 10GbE SFP+ or 2x 40GbE QSFP+.



Remote Management and Monitoring

A Lights-Out-Management (LOM) card provides out-of-band remote management to remotely diagnose, start, restart and manage the appliance from a remote location.

ENTERPRISE-GRADE PLATFORM

| | 1 GbE (copper) | 1 GbE (fiber) | 10 GbE | 40 GbE | Memory | Redundant Storage | Redundant Power | LOM |
|--------------|----------------|---------------|--------|--------|--------|-------------------|-----------------|-----|
| Base model | 10 | 0 | 0 | 0 | 16 GB | ○ | ○ | ○ |
| Plus model | 10 | 0 | 4 | 0 | 32 GB | ● | ● | ● |
| Max capacity | 26 | 8 | 8 | 4 | 64 GB | ● | ● | ● |

○ optional accessory

SPECIFICATIONS

Performance

Enterprise Test Conditions

| | |
|---------------------------------------|-----|
| Threat Prevention ¹ (Gbps) | 7.4 |
| NGFW ² (Gbps) | 13 |
| IPS (Gbps) | 15 |
| Firewall (Gbps) | 37 |

RFC 3511, 2544, 2647, 1242 PERFORMANCE (LAB)

| | |
|-------------------------------------|---------|
| Firewall 1518B UDP (Gbps) | 63 |
| VPN AES-128 (Gbps) | 9.81 |
| Connections/sec | 230,000 |
| Concurrent connections ³ | 4/8/16M |

1: Includes Firewall, Application Control, URL Filtering, IPS, Antivirus, Anti-Bot and SandBlast Zero-Day Protection. 2: Includes Firewall, Application Control and IPS. 3: Performance measured with default/Plus/maximum memory.

Additional Features

Highlights

- 1x CPUs, 8 physical cores, 16 virtual cores
- 1x 480GB SSD storage (2x in Plus)
- 1 AC or DC power supply (2x in Plus)
- 16, 32 and 64 GB memory options
- Lights-Out-Management (included in Plus)
- Virtual Systems (Base/Plus/max mem): 10/20/20

Network Expansion Slot Options (2 of 2 slots open)

- 8x 10/100/1000Base-T RJ45 port card, up to 26 ports
- 4x 1000Base-F SFP port card, up to 8 ports
- 4x 10GBase-F SFP+ port card, up to 8 ports
- 2x 40GBase-F QSFP+ port card, up to 4 ports

Content Security

First Time Prevention Capabilities

- CPU-level, OS-level and static file analysis
- File disarm and reconstruction via Threat Extraction
- Average emulation time for unknown files that require full sandbox evaluation is under 100 seconds
- Maximal file size for Emulation is 100 MB
- Emulation OS Support: Windows XP, 7, 8.1, 10

Applications

- Use 8,000+ pre-defined or customize your own applications
- Accept, prevent, schedule, and apply traffic-shaping

Data Loss Prevention

- Classify 700+ pre-defined data types
- End user and data owner incident handling

Content Security (continued)

Dynamic User-based Policy

- Integrates with Microsoft AD, LDAP, RADIUS, Cisco pxGrid, Terminal Servers and with 3rd parties via a Web API
- Enforce consistent policy for local and remote users on Windows, macOS, Linux, Android and Apple iOS platforms

Network

Network Connectivity

- 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

- Single Power Supply rating: 300W
- AC power input: 100 to 240V (47-63Hz)
- Power consumption avg/max: 139W/275W
- Maximum thermal output: 938 BTU/hr.

Dimensions

- Enclosure: 1RU
- Dimensions (WxDxH): 17.2 x 20 x 1.73 in. (438 x 508 x 44mm)
- Weight (Base/Plus): 17.6/19.8 lbs. (8.45/9 kg)

Environmental Conditions

- Operating: 0° to 40°C, humidity 95%
- Storage: -20° to 70°C, humidity 95%

Certifications

- Safety: UL, CB, CE, TUV GS
- Emissions: FCC, CE, VCCI, RCM/C-Tick
- Environmental: RoHS, WEEE, REACH¹, ISO14001¹

¹. factory certificate

ORDERING QUANTUM 6900 SECURITY GATEWAYS

| BASE CONFIGURATION ¹ | SKU |
|---|-----------------------|
| 6900 Security Gateway Base configuration, includes 10x 1GbE copper ports, 16 GB RAM, 1 SSD, 1 AC PSU, SandBlast (SNBT) Security Subscription Package for 1 Year | CPAP-SG6900-SNBT |
| 6900 Security Gateway Plus configuration, includes 10x 1GbE copper ports, 4x 10GbE SFP+ ports, 4x SR transceivers, 32 GB RAM, 2x SSD, 2x AC PSU, Lights-out Management, SandBlast (SNBT) Security Subscription Package for 1 Year | CPAP-SG6900-PLUS-SNBT |

¹ Renewal NGFW, NGTP and SandBlast (SNBT) packages are available in the online product catalog.

Accessories

| INTERFACE CARDS AND TRANSCEIVERS | |
|--|----------------------------|
| 8 Port 10/100/1000 Base-T RJ45 interface card | CPAC-8-1C-C |
| 4 Port 1000Base-F SFP interface card; requires additional 1000Base SFP transceivers | CPAC-4-1F-C |
| SFP transceiver module for 1G fiber ports - long range (1000Base-LX) | CPAC-TR-1LX-C |
| SFP transceiver module for 1G fiber ports - short range (1000Base-SX) | CPAC-TR-1SX-C |
| SFP transceiver to 1000 Base-T RJ45 (Copper) | CPAC-TR-1T-C |
| 4 Port 10GBase-F SFP+ interface card | CPAC-4-10F-C |
| SFP+ transceiver module for 10G fiber ports - long range (10GBase-LR) | CPAC-TR-10LR-C |
| SFP+ transceiver module for 10G fiber ports - short range (10GBase-SR) | CPAC-TR-10SR-C |
| 2 Port 40G QSFP28 interface card | CPAC-2-40F-C |
| QSFP+ transceiver module for 40G fiber ports - short range (40GBase-SR) | CPAC-TR-40SR-QSFP-300m |
| QSFP+ transceiver module for 40G fiber ports - long range (40GBase-LR) | CPAC-TR-40LR-QSFP-10Km |
| Bi-directional QSFP transceiver for 40G fiber Ports - short range (40GBase-SR-BD) | CPAC-TR-40SR-QSFP-BiDi |
| 4 Port 1GE copper Bypass (Fail-Open) Network interface card (10/100/1000 Base-T) | CPAC-4-1C-BP-C |
| 2 Port 10GE Short-range Fiber Bypass (Fail-Open) Network interface card (10GBase-SR) | CPAC-2-10FSR-BP-C |
| MEMORY | SKU |
| Memory upgrade kit from 16GB to 32GB for 6900 appliance | CPAC-RAM16GB-6900 |
| Memory upgrade kit from 16GB to 64GB for 6900 appliance | CPAC-RAM48GB-6900 |
| Memory upgrade kit from 32GB to 64GB for 6900 appliance | CPAC-RAM32GB-6900 |
| SPARES AND MISCELLANEOUS | SKU |
| Additional/Replacement AC Power Supply for 6900 appliances | CPAC-PSU-6600/6900 |
| Additional/Replacement DC Power Supply for 6600, 6700, 6900 appliances | CPAC-PSU-DC-6600/6700/6900 |
| 480GB SSD for 6900 Security Gateways | CPAC-SSD-480G-6900 |
| Lights Out Management module | CPAC-LOM-C |
| Slide rails for 6000 and 7000 Security Appliances (22" - 32") | CPAC-RAILS-6000/7000 |
| Extended slide rails for 6000 and 7000 Security Appliances (24" - 36") | CPAC-RAILS-EXT-6000/7000 |

Virtual Systems packages also available in the online product catalog.