



Quantum 6700 Hyperscale Security Gateway for Maestro



Check Point Maestro brings scale, agility and elasticity of the cloud on premise with efficient N+1 clustering based on Check Point HyperSync technology, maximizing the capabilities of your existing security gateways.

Create your own virtualized private-cloud premise by stacking multiple Check Point security gateways together. Group them by security feature set, policy or the assets they protect and further virtualize them with virtual systems technology. With the Maestro Hyperscale Orchestrator and 6700 Hyperscale security gateways, businesses of all sizes can have cloud-level security on premise.



Highest Security Effectiveness

Integrated with R80 and ThreatCloud to set a new standard of prevention against advanced 5th generation cyber attacks



State-of-the-Art SSL Inspection

Threat Prevention that delivers lightning fast SSL-encrypted traffic inspection without compromising up time or scalability



290 Gbps of Gen V Performance

Hyperscale ready, high performance threat prevention hardware for the fastest Gen V security gateway in the industry

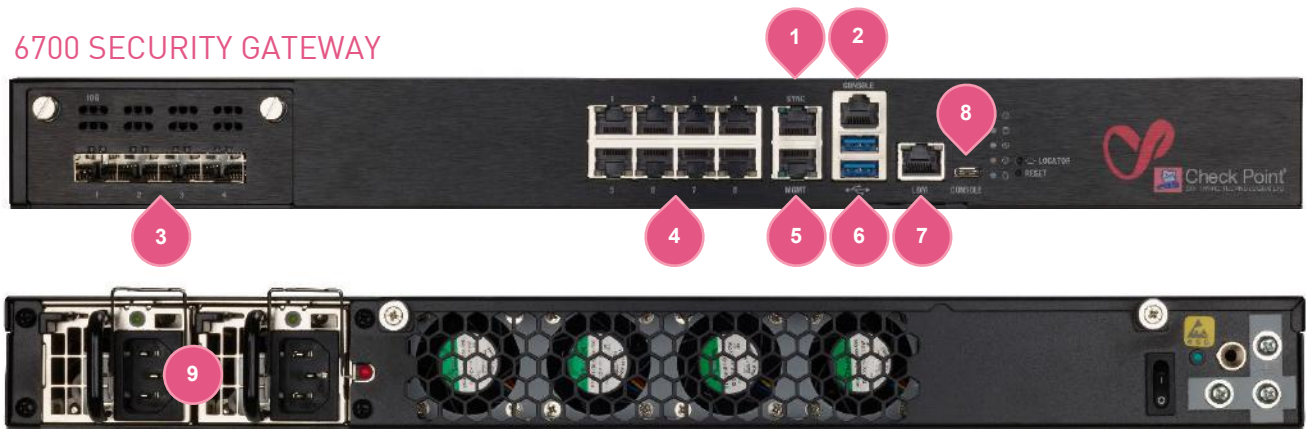
PERFORMANCE HIGHLIGHTS

| Gen II Security Firewall | Gen III Security NGFW ¹ | Gen V Security Threat Prevention + SandBlast ² |
|-----------------------------|---------------------------------------|--|
| 26 Gbps | 13.4 Gbps | 5.8 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

HIGH PERFORMANCE, SCALABLE SECURITY

6700 SECURITY GATEWAY



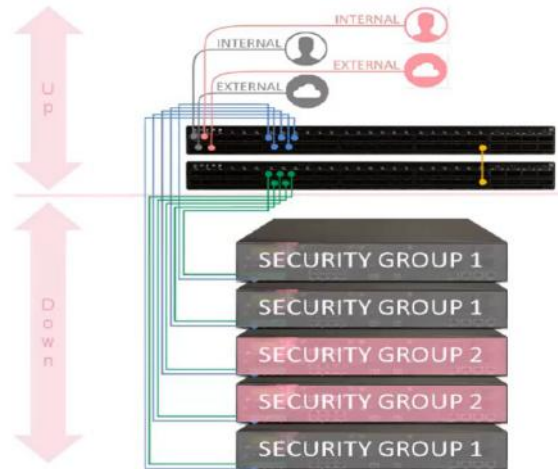
- | | |
|---------------------------------------|--------------------------------------|
| 1. Sync 10/100/1000 Base-T port | 6. 2x USB 3.0 ports |
| 2. RJ45 console port | 7. Lights-out Management port |
| 3. 1 network expansion slot | 8. USB Type-C console port |
| 4. 8x 10/100/1000 Base-T ports | 9.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

Hyperscale Security System

With Maestro, you can start with two gateways and then can grow to up to 52 gateways. For example, when you start with 11.6 Gbps using two 6700HS gateways you can finish with a 290 Gbps security solution. Simply by using Check Point Maestro.

Hyperscale Orchestrator Connections

When a Security Group is created, an IP address is created for a Single Management Object connection to the security management server. Easily create and assign IP addresses to the internal and external network interfaces. These uplinks are the visible components of the Maestro security solution.



Fully Operational within Minutes

When we add a gateway to the system, it gets all the configurations, the policy, even the software version, updated and aligned with the existing deployment, ready to go within 6 minutes.

Maestro Traffic Distribution

HyperSync tracks the Active/Standby/Backup state of group members. Sync traffic is limited to only the Active and Standby members handling the connection.

Cost-Efficient N+1 Deployments

Now businesses of all sizes can enjoy cloud-level resiliency and telco-grade technology using the efficient Maestro N+1 clustering design.

SPECIFICATIONS

Performance

Enterprise Test Conditions

| | |
|---------------------------------------|------|
| Threat Prevention (Gbps) ¹ | 5.8 |
| NGFW (Gbps) ² | 13.4 |
| IPS (Gbps) | 19 |
| Firewall (Gbps) | 26 |

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

| | |
|---------------------------|---------|
| Firewall 1518B UDP (Gbps) | 38 |
| VPN AES-128 (Gbps) | 4.61 |
| Connections/sec | 164,000 |
| Concurrent connections | 2/4/8M |

1. Includes Firewall, Application Control, URL Filtering, IPS, Antivirus, Anti-Bot and SandBlast Zero-Day Protection with logging enabled. 2. Includes Firewall, Application Control and IPS with logging enabled.

Additional Features

Highlights

- 4x 10 GbE SFP+ ports
- 1x CPU, 6 physical cores, 12 virtual cores
- 1x 480 GB SSDs
- 2x AC power supplies
- 16 GB memory
- Virtual Systems (Plus/max mem): 20/20

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

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

IPv6

- NAT66
- CoreXL, SecureXL

Unicast and Multicast Routing (see SK98226)

- OSPFv2, BGP, RIP
- Static routes, Multicast routes
- Policy-based routing
- PIM-SM, PIM-DM, IGMP v2, and v3

Maestro

Maximums

- Up to 8 Security Groups
- Up to 31 gateways in a Security Group
- Up to 24 gateways in a Security Group (dual site deployment, 14 from each site)
- 48x 10 GbE and 8x 100 GbE ports (MHO 140)

Physical

Power Requirements

- Single Power Supply rating: 300W
- AC power input: 100 to 240V (47-63Hz)
- Power consumption avg/max: 84W/189W
- Maximum thermal output: 644 BTU/hr.

Dimensions

- Enclosure: 1RU
- Dimensions (WxDxH): 17.2 x 20 x 1.73 in. (438 x 508 x 44mm)
- Weight: 17.4 lbs. (9 kg)

Environmental Conditions

- Operating: 0° to 40°C, humidity 5% to 95%
- Storage: -20° to 70°C, humidity 5% to 95% at 60°C

Certifications

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

ORDERING QUANTUM 6700HS MAESTRO SOLUTIONS

| MAESTRO HYPERSCALE SOLUTION PACKAGES | SKU |
|---|-------------------------|
| Maestro Solution with two 6700 firewalls with SandBlast subscription package for 1 year and one Orchestrator (MHO-140). Each appliance includes 16 GB RAM, 10x 1GbE copper, 4x 10GbE SFP+ ports, 2x AC PSUs, 1x 480 GB SSD, LOM, telescopic rails, plus 2x 10G DAC cables (1m, 3m). MHO-140 includes 1x 10G DAC (3m). | CPAP-MHS-6702-PLUS-SNBT |
| Maestro Solution with three 6700 firewalls with SandBlast subscription package for 1 year and one Orchestrator (MHO-140). Each appliance includes 16 GB RAM, 10x 1GbE copper, 4x 10GbE SFP+ ports, 2x AC PSUs, 1x 480 GB SSD, LOM, telescopic rails, plus 2x 10G DAC cables (1m, 3m). MHO-140 includes 1x 10G DAC (3m). | CPAP-MHS-6703-PLUS-SNBT |

| SECURITY GATEWAY APPLIANCES FOR SCALE-UP | SKU |
|--|----------------------------|
| 6700 security gateway for Maestro including 16 GB RAM, 10x 1GbE copper, 4x 10GbE SFP+ ports, 2x AC PSUs, 1x 480 GB SSD, LOM, plus 2x 10G DAC cables (1m, 3m) with SandBlast subscription package for 1 year. | CPAP-SG6700-PLUS-MHS-SNBT |
| SECURITY GATEWAY ACCESSORIES | SKU |
| Direct Attach Copper (DAC) cables 10GbE SFP+ to SFP+, 1M | CPAC-DAC-10G-1M |
| Direct Attach Copper (DAC) cables 10GbE SFP+ to SFP+, 3M | CPAC-DAC-10G-3M |
| Memory upgrade kit from 16GB to 32GB for 6700 appliance | CPAC-RAM16GB-6700 |
| Replacement AC power supply for 6700 Security Gateways | CPAC-PSU-AC-6600/6700/6900 |
| Additional/Replacement DC Power Supply for 6700, 6700, 6900 appliances | CPAC-PSU-DC-6600/6700/6900 |
| Lights-Out Management Module | CPAC-LOM-C |
| Extended slide rails for 6700 Security Gateways (24" - 36") | CPAC-RAILS-EXT-6000/6700 |

| MAESTRO HYPERSCALE ORCHESTRATOR | SKU |
|--|-------------------------|
| Maestro Hyperscale Orchestrator 140 with 8x 100 GbE and 48x 10 GbE ports, plus 1x 10G DAC (3m). | CPAP-MHO-140 |
| MAESTRO HYPERSCALE ORCHESTRATOR ACCESSORIES | SKU |
| Fan replacement for Maestro Hyperscale Orchestrator 140 | CPAC-FAN-MHO140 |
| AC power supply unit replacement for Maestro Hyperscale Orchestrator 140 and 170 | CPAC-PSU-AC-MHO140/170 |
| Rail kit for Maestro Hyperscale Orchestrators 140 and 170 | CPAC-RAIL-MHO140/170 |
| MHO-140 TRANSCEIVERS | SKU |
| 100G CWDM4, LC connector, 2Km/ single mode fiber | CPAC-TR-100CWDM4 |
| 100G SWDM4, LC connector, 75m/OM3 fiber | CPAC-TR-100SWDM4 |
| QSFP28 transceiver module for 100G fiber ports - short range (100GBase-SR4) | CPAC-TR-100SR |
| QSFP28 transceiver module for 100G fiber ports - long range (100GBase-LR4) | CPAC-TR-100LR |
| QSFP+ transceiver module for 40G fiber ports - short range (40GBase-SR) CPAC-TR-40SR-QSFP-300m | CPAC-TR-40SR-QSFP-300m |
| QSFP+ transceiver module for 40G fiber ports - long range (40GBase-LR) CPAC-TR-40LR-QSFP-10Km | CPAC-TR-40LR-QSFP-10Km |
| Bi-directional QSFP transceiver for 40G fiber Ports - short range (40GBase-SR-BD) CPAC-TR-40SR-QSFP-BiDi | CPAC-TR-40SR-QSFP-BIDI |
| QSFP+ splitter for 40G fiber ports for Maestro (MHO140 and MHO170) - 3 meters | CPAC-TR-40SPLIT-QSFP-3M |
| QSFP+ splitter for 40G fiber ports for Maestro (MHO140 and MHO170) - 6 meters | CPAC-TR-40SPLIT-QSFP-6M |
| SFP+ transceiver module for 10G fiber ports - short range (10GBase-SR) | CPAC-TR-10SR-C |
| SFP+ transceiver module for 10G fiber ports - long range (10GBase-LR) | CPAC-TR-10LR-C |
| SFP+ transceiver 10GBASE-T RJ45 (Copper) - for links up to 30m over CAT6a/CAT7 | CPAC-TR-10T-C |
| SFP transceiver module for 1G fiber ports - short range (1000Base-SX) | CPAC-TR-1SX-C |
| SFP transceiver module for 1G fiber ports - long range (1000Base-LX) | CPAC-TR-1LX-C |
| SFP transceiver to 1000 Base-T RJ45 (Copper) | CPAC-TR-1T-C |

ORDERING MAESTRO SOLUTIONS (Continued)

All-inclusive Security

| | NGFW | NGTP | SNBT (SandBlast) |
|-----------------------------|----------------------------------|-----------------------|--|
| | Basic access control with IPS | Prevent known threats | Prevent known and zero- day attacks |
| Firewall | ✓ | ✓ | ✓ |
| VPN (IPsec) | ✓ | ✓ | ✓ |
| Application Control | ✓ | ✓ | ✓ |
| Content Awareness | ✓ | ✓ | ✓ |
| IPS | ✓ | ✓ | ✓ |
| URL Filtering | | ✓ | ✓ |
| Anti-Bot | | ✓ | ✓ |
| Anti-Virus | | ✓ | ✓ |
| Anti-Spam | | ✓ | ✓ |
| SandBlast Threat Emulation | | | ✓ |
| SandBlast Threat Extraction | | | ✓ |

Each gateway requires a license for the enabled security feature. The first year purchase includes the SNBT package. Security subscription extensions, NGFW, NGTP and SNBT are available for subsequent years.