Check Point’s 6500 Next Generation Firewall offers a fully integrated, unified solution tuned to deliver maximum security against 5th generation threats without compromising performance. 6500 Security Gateways provide the most advanced threat prevention security for demanding enterprise networks.

**PERFORMANCE HIGHLIGHTS**

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>20.6 Gbps</td>
<td>6.8 Gbps</td>
<td>3.4 Gbps</td>
</tr>
</tbody>
</table>

Performance measured with an enterprise testing conditions. Additional performance details on page 4. ¹: Includes Firewall, Application Control, and IPS. ²: Includes Firewall, Application Control, URL Filtering, IPS, Antivirus, Anti-Bot and SandBlast Zero-Day Protection.
6500

Enterprise-grade security, performance and reliability
The Check Point 6500 Next Generation Security Gateway combines the most comprehensive security protections to safeguard your mid-size enterprise.

The 6500 is a 1U Next Generation Security Gateway with one I/O expansion slot for higher port capacity, redundant fans, redundant AC or DC power supply options, a 1TB (HDD) or 240GB (SSD) disk, and optional Lights-Out Management (LOM) for remote management. This powerful Next Generation Security Gateway is optimized to deliver the most advanced threat prevention to secure your critical assets and environments.

Key Features & Benefits
Advanced Threat Prevention ........ 1st time prevention of known and zero-day threats
Uncompromising Performance .... Achieve up to 3.4 Gbps of threat prevention throughput
Secure Encrypted Traffic ............ Consolidate SSL inspection into one integrated security platform

THE CYBER SECURITY ARCHITECTURE OF THE FUTURE
Enterprise Security Gateways

ONE SECURITY PLATFORM
Leveraging unified threat intelligence and open interfaces

REAL-TIME THREAT PREVENTION
Blocking the most sophisticated attacks before they infiltrate the network

CONSOLIDATED MANAGEMENT
Single management, modular policy management and integrated threat visibility
**6500 SECURITY GATEWAY**

1. Sync 10/100/1000Base-T RJ45 port
2. RJ45/micro USB console port
3. One network card expansion slot
4. 8x 10/100/1000Base-T RJ45 ports
5. Management 10/100/1000Base-T RJ45 port
6. 2x USB ports for ISO installation
7. Lights-Out Management port

**SPOTLIGHT**

**Prevent Known and Zero-day Threats**
Zero-day protection offering network security with evasion-resistant malware detection and complete protection from the most advanced attacks, ensuring quick delivery of safe content to users.

**All-inclusive Security Solutions**
Every 6500 Security Gateway includes comprehensive Next Generation Threat Prevention in one of two hardware configurations; a base or a fully redundant, high performance option.

**Flexible I/O Options**
The base 6500 configuration includes 10 on-board 1 GbE copper ports. Add additional I/O as you like in the one expansion slot; 8x 1GbE copper, 4x 1GbE fiber, 4x 10GbE SFP+ or one of two Bypass (Fail-open) options.

**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. Also use LOM for remote installs of the GAIA OS.

**ENTERPRISE-GRADE PLATFORM**

<table>
<thead>
<tr>
<th></th>
<th>1 GbE (copper)</th>
<th>1 GbE (fiber)</th>
<th>10 GbE</th>
<th>Memory</th>
<th>Redundant Power</th>
<th>LOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>6500</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Base</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>8 GB</td>
<td></td>
<td>O</td>
</tr>
<tr>
<td>Plus</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>16 GB</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Max</td>
<td>18</td>
<td>4</td>
<td>4</td>
<td>32 GB</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

☐ this is optional
Performance

**Enterprise Testing Conditions**
- 3.4 Gbps of Threat Prevention\(^1\)
- 6.8 Gbps of NGFW\(^2\)
- 7.8 Gbps IPS
- 20.6 Gbps of firewall throughput

**Ideal Testing Conditions**
- 22.8 Gbps of UDP 1518 byte packet firewall throughput
- 4.3 Gbps of AES-128 VPN throughput
- 140,000 connections per second, 64 byte response
- 2/4/8M concurrent connections, 64 byte response\(^3\)

Zero-Day Protection with R80.20. 2: Includes Firewall, Application Control and IPS with R80.20.

Additional Features

**Highlights**
- 1x CPU, 4x physical cores (total), 8x virtual cores (total)
- 1x 1TB HDD or 240GB SSD storage
- 1 AC or DC power supply (2 redundant PSU option)
- 8, 16 and 32 GB memory options
- Lights-Out Management card is optional
- Virtual Systems (Base/Plus/Max mem): 10/20/20

**Network Expansion Slot Options (1 of 1 slots open)**
- 8x 10/100/1000Base-T RJ45 port card, up to 18 ports
- 4x 1000Base-F SFP port card, up to 4 ports
- 4x 10GBase-F SFP+ port card, up to 4 ports

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 and Active/Passive – Layer 3 mode
- Session failover for routing change, device and link failure
- ClusterXL or VRRP

IPv6
- NAT66, NAT64, NAT46
- CoreXL, SecureXL, 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: 275W
- AC power input: 100 to 240V (47-63Hz)
- Power consumption max: 88.4W
- Maximum thermal output: 301.65 BTU/hr.

Dimensions
- Enclosure: 1RU
- Dimensions (WxDxH): 17.24 x 20 x 1.73 in. (437.9 x 508 x 44mm)
- Weight: 17.53 lbs. (7.95 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, IC, CE, VCCI, RCM/C-Tick
- Environmental: RoHS, WEEE, REACH\(^\text{\textsuperscript{4}}\), ISO14001\(^1\)

1. factory certificate

<table>
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<tr>
<th>Dimensions (WxDxH): 17.24 x 20 x 1.73 in. (437.9 x 508 x 44mm)</th>
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<tr>
<td>Environmental: RoHS, WEEE, REACH(^\text{\textsuperscript{4}}), ISO14001(^1)</td>
<td>1. factory certificate</td>
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</tbody>
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ORDERING 6500 SECURITY GATEWAYS

BASE CONFIGURATION

<table>
<thead>
<tr>
<th>SKU</th>
<th>6500 Base configuration: 10x 1GbE copper ports, 8GB RAM, 1TB HDD, 1x AC PSU, NGTP Security Subscription for 1 Year, Local/Standalone Management for 2 Gateways</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPAP-SG6500</td>
<td>6500 Plus configuration: 10x 1GbE copper ports, 16 GB RAM, 240GB SSD, 2x AC PSUs, Lights-Out Management (LOM), NGTP Security Subscription for 1 Year</td>
</tr>
<tr>
<td>CPAP-SG6500-PLUS</td>
<td></td>
</tr>
</tbody>
</table>

SANDBLAST ZERO-DAY THREAT PROTECTION

<table>
<thead>
<tr>
<th>SKU</th>
<th>Upgrade from NGTP to SandBlast (NGTX) in the 1st year, i.e. when purchasing CPAP-SG6500</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPSB-UPG-6500-NGTX-1Y</td>
<td>Upgrade from NGTP to SandBlast (NGTX) in the 1st year, i.e. when purchasing CPAP-SG6500-PLUS</td>
</tr>
</tbody>
</table>

1 Virtual System extensions plus 1, 2, and 3 year renewals for NGTP, NGTX, NGFW, IPS and DLP are available in the online product catalog. The Base option will be available Q2 2019.

Accessories

INTERFACE CARDS AND TRANSCEIVERS

<table>
<thead>
<tr>
<th>SKU</th>
<th>8 Port 10/100/1000 Base-T RJ45 interface card</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPAC-8-1C-C</td>
<td>4 Port 1000Base-F SFP interface card; requires additional 1000Base SFP transceivers</td>
</tr>
<tr>
<td>CPAC-4-1F-C</td>
<td>SFP transceiver module for 1G fiber ports - long range (1000Base-LX)</td>
</tr>
<tr>
<td>CPAC-TR-1LX-C</td>
<td>SFP transceiver module for 1G fiber ports - short range (1000Base-SX)</td>
</tr>
<tr>
<td>CPAC-TR-1SX-C</td>
<td>SFP transceiver to 1000 Base-T RJ45 (Copper)</td>
</tr>
<tr>
<td>CPAC-TR-1T-C</td>
<td>4 Port 10GBase-F SFP+ interface card</td>
</tr>
<tr>
<td>CPAC-4-10F-6500/6800-C</td>
<td>SFP+ transceiver module for 10G fiber ports - long range (10GBase-LR)</td>
</tr>
<tr>
<td>CPAC-TR-10LR-C</td>
<td>SFP+ transceiver module for 10G fiber ports - short range (10GBase-SR)</td>
</tr>
<tr>
<td>CPAC-TR-10SR-C</td>
<td>MEMORY</td>
</tr>
<tr>
<td>CPAC-8-1C-C</td>
<td>Memory upgrade kit from 8GB to 16GB for 6500 Security Gateways</td>
</tr>
<tr>
<td>CPAC-RAM8GB-6500</td>
<td>Memory upgrade kit from 8GB to 32GB for 6500 Security Gateways</td>
</tr>
<tr>
<td>CPAC-RAM24GB-6500</td>
<td>Memory upgrade kit from 16GB to 32GB for 6500 Security Gateways</td>
</tr>
<tr>
<td>CPAC-RAM16GB-6500</td>
<td></td>
</tr>
</tbody>
</table>

SPARES AND MISCELLANEOUS

<table>
<thead>
<tr>
<th>SKU</th>
<th>Additional/Replacement AC Power Supply for 6500 Security Gateways</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPAC-PSU-AC-6500</td>
<td>Additional/Replacement DC power supply unit for 6500 Security Gateways</td>
</tr>
<tr>
<td>CPAC-PSU-DC-6500</td>
<td>Lights-Out Management module</td>
</tr>
<tr>
<td>CPAC-LOM-6500/6800-C</td>
<td>Slide rails for 6000 Security Gateways (22” - 32”)</td>
</tr>
<tr>
<td>CPAC-RAILS-6000</td>
<td>Extended slide rails for 6000 Security Gateways (24” - 36”)</td>
</tr>
<tr>
<td>CPAC-RAILS-EXT-6000</td>
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</tr>
</tbody>
</table>

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