Check Point’s 5800 Next Generation Firewall offers a fully integrated, unified solution tuned to deliver maximum security against 5th generation threats without compromising performance. 5800 Security Gateway provides the most advanced threat prevention security for demanding enterprise networks.

PERFORMANCE HIGHLIGHTS

<table>
<thead>
<tr>
<th>Gen II Security: Firewall</th>
<th>Gen III Security: NGFW(^1)</th>
<th>Gen V Security: Threat Prevention + SandBlast(^2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 Gbps</td>
<td>8.1 Gbps</td>
<td>4.195 Gbps</td>
</tr>
</tbody>
</table>

Performance measured under ideal 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.
Enterprise-grade security, performance and reliability
The Check Point 5800 Next Generation Security Gateway combines the most comprehensive security protections to safeguard your mid-size enterprise.

The 5800 is a 1U Next Generation Security Gateway with two I/O expansion slots for higher port capacity, redundant fans, redundant AC or DC power supply options, a 1TB (HDD) or 240GB (SSD) disk, and Lights-Out Management (LOM) for remote management. This powerful Next Generation Security Gateway is optimized to deliver 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 4.195 Gbps of threat prevention throughput
Secure Encrypted Traffic ............. Consolidate SSL inspection into one integrated security platform
**SPOTLIGHT**

**5800 SECURITY GATEWAY**
1. Sync 10/100/1000Base-T RJ45 port
2. RJ45/micro USB console port
3. Two network card expansion slots
4. 8x 10/100/1000Base-T RJ45 ports
5. Management 10/100/1000Base-T RJ45 port
6. 2x USB 3.0 ports for ISO installation
7. Lights-Out Management port
8. Graphic LCD display

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**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**
Check Point 5800 Next Generation Security Gateway offers a complete and consolidated security solution available in two complete packages:
- Threat Prevention
- Threat Prevention + SandBlast

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**Inclusive High Performance Package**
Purchase the affordable High Performance Package (HPP) and get a base system plus one 2x 10Gb SFP+ interface card, transceivers, redundant AC or DC power supplies and 16 GB of memory for high connection capacity.

**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 the LOM web interface to remotely install an OS image from an ISO file.

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**ENTERPRISE-GRADE PLATFORM**

<table>
<thead>
<tr>
<th></th>
<th>1 GbE (copper)</th>
<th>1 GbE (fiber)</th>
<th>10 GbE</th>
<th>40 GbE</th>
<th>Memory</th>
<th>Redundant Power</th>
<th>LOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>8 GB</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>HPP</td>
<td>10</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>16 GB</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Max</td>
<td>26</td>
<td>8</td>
<td>8</td>
<td>4</td>
<td>32 GB</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

○ this is optional
### Performance

**Ideal Testing Conditions**
- 35 Gbps of UDP 1518 byte packet firewall throughput
- 10 Gbps IPS
- 8.1 Gbps of NGFW
- 4.195 Gbps of Threat Prevention
- 10 Gbps of AES-128 VPN throughput
- 185,000 connections per second, 64 byte response
- 3.2/6.4/12.8M concurrent connections, 64 byte response

**Enterprise Testing Conditions**
- 25 Gbps of firewall throughput
- 6.5 Gbps IPS
- 6 Gbps of NGFW
- 2.75 Gbps of Threat Prevention

1: Includes Firewall, Application Control and IPS with R80.20. 2: Includes Firewall, Application Control, URL Filtering, IPS, Antivirus, Anti-Bot and SandBlast Zero-Day Protection with R80.20. 3: Performance measured with default/HPP/maximum memory with R80.10.

### Additional Features

**Highlights**
- 1x CPUs, 4x physical cores, 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 included
- Virtual Systems (base/HPP/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 40G QSFP+ port card, up to 4 ports

**Fail-Open/Bypass Network Options**
- 4x 10/100/1000Base-T RJ45 port card
- 2x 10GBase-F SFP+ port card

### 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

### Content Security (continued)

**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 and Active/Passive - L3 mode
- 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: 275W
- AC power input: 90 to 264V (47-63Hz)
- Power consumption: 110W
- Maximum thermal output: 375.3 BTU/hr.

**Dimensions**
- Enclosure: 1RU
- Dimensions (WxDxH): 17.2x20x1.73 in. (438x508x44mm)
- Weight: 18.45 lbs. (8.37 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, REACH, ISO14001
## ORDERING 5800 SECURITY GATEWAYS

### BASE CONFIGURATION 1

<table>
<thead>
<tr>
<th>Description</th>
<th>SKU</th>
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</thead>
<tbody>
<tr>
<td>5800 Next Generation Security Gateway Base Configuration, includes 10x1GbE copper ports, 8GB RAM, 1 HDD, 1 AC Power Unit, Lights Out Management (LOM), Next Generation Threat Prevention (NGTP) Security Subscription Package for 1 Year</td>
<td>CPAP-SG5800-NGTP</td>
</tr>
<tr>
<td>5800 SandBlast Next Generation Security Gateway Base Configuration, includes 10x1GbE copper ports, 8GB RAM, 1 HDD, 1 AC Power Unit, Lights Out Management (LOM), SandBlast (NGTX) Security Subscription Package for 1 Year</td>
<td>CPAP-SG5800-NGTX</td>
</tr>
</tbody>
</table>

### HPP CONFIGURATION 1

<table>
<thead>
<tr>
<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>5800 Next Generation Security Gateway with High Performance Package, includes 10x1GbE copper ports, 2x10Gb SFP+ ports, 2 SR transceivers, 16 GB RAM, 1 HDD, 2 AC Power Units, Lights Out Management (LOM), Next Generation Threat Prevention (NGTP) Security Subscription Package for 1 Year</td>
<td>CPAP-SG5800-NGTP-HPP</td>
</tr>
<tr>
<td>5800 Next Generation Security Gateway with High Performance Package, includes 10x1GbE copper ports, 2x10Gb SFP+ ports, 2 SR transceivers, 16 GB RAM, 1 HDD, 2 AC Power Units, Lights Out Management (LOM), Next Generation Threat Extraction (SandBlast) Security Subscription Package for 1 Year</td>
<td>CPAP-SG5800-NGTX-HPP</td>
</tr>
</tbody>
</table>

### Accessories

#### INTERFACE CARDS AND TRANSCEIVERS

<table>
<thead>
<tr>
<th>Description</th>
<th>SKU</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 Port 10/100/1000 Base-T RJ45 interface card</td>
<td>CPAC-8-1C-B</td>
</tr>
<tr>
<td>4 Port 1000Base-F SFP interface card; requires additional 1000Base SFP transceivers</td>
<td>CPAC-4-1F-B</td>
</tr>
<tr>
<td>SFP transceiver module for 1G fiber ports - long range (1000Base-LX)</td>
<td>CPAC-TR-1LX-B</td>
</tr>
<tr>
<td>SFP transceiver module for 1G fiber ports - short range (1000Base-SX)</td>
<td>CPAC-TR-1SX-B</td>
</tr>
<tr>
<td>SFP transceiver to 1000 Base-T RJ45 (Copper)</td>
<td>CPAC-TR-1T-B</td>
</tr>
<tr>
<td>4 Port 10GBase-F SFP+ interface card</td>
<td>CPAC-4-10F-B</td>
</tr>
<tr>
<td>SFP+ transceiver module for 10G fiber ports - long range (10GBase-LR)</td>
<td>CPAC-TR-10LR-B</td>
</tr>
<tr>
<td>SFP+ transceiver module for 10G fiber ports - short range (10GBase-SR)</td>
<td>CPAC-TR-10SR-B</td>
</tr>
<tr>
<td>2 Port 40G QSFP+ interface card</td>
<td>CPAC-2-40F-B</td>
</tr>
<tr>
<td>QSFP+ transceiver module for 40G fiber ports - short range (40GBase-SR)</td>
<td>CPAC-TR-40SR-QSFP-300m</td>
</tr>
<tr>
<td>QSFP+ transceiver module for 40G fiber ports - long range (40GBase-LR)</td>
<td>CPAC-TR-40LR-QSFP-10K</td>
</tr>
<tr>
<td>Bi-directional QSFP+ transceiver for 40G fiber ports - short range (40GBase-SR-BiDi)</td>
<td>CPAC-TR-40SR-QSFP-BiDi</td>
</tr>
<tr>
<td>4 Port 1GE copper Bypass (Fail-Open) network interface card (10/100/1000 Base-T)</td>
<td>CPAC-4-1C-BP-B</td>
</tr>
<tr>
<td>2 Port 10GE short-range Fiber Bypass (Fail-Open) network interface card (10GBase-SR)</td>
<td>CPAC-2-10-FSR-B-BP</td>
</tr>
</tbody>
</table>

#### MEMORY

<table>
<thead>
<tr>
<th>Description</th>
<th>SKU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory upgrade kit from 8GB to 16GB for 5800 appliance</td>
<td>CPAC-RAM8GB-5000</td>
</tr>
<tr>
<td>Memory upgrade kit from 8GB to 32GB for 5800 appliance</td>
<td>CPAC-RAM24GB-5000</td>
</tr>
<tr>
<td>Memory upgrade kit from 16GB to 32GB for 5800 appliance</td>
<td>CPAC-RAM16GB-5000</td>
</tr>
</tbody>
</table>

#### SPARES AND MISCELLANEOUS

<table>
<thead>
<tr>
<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Additional/Replacement AC Power Supply for 5600 and 5800 appliances</td>
<td>CPAC-PSU-5600/5800</td>
</tr>
<tr>
<td>Additional/Replacement DC power supply unit for 5600 and 5800</td>
<td>CPAC-PSU-DC-5600/5800</td>
</tr>
<tr>
<td>Slide rails for 5000 Appliances (22&quot; - 32&quot;)</td>
<td>CPAC-RAILS-5000</td>
</tr>
<tr>
<td>Extended slide rails for 5000 Appliances (24&quot; - 36&quot;)</td>
<td>CPAC-RAILS-EXT-5000</td>
</tr>
</tbody>
</table>

1 2 and 3 year and Virtual Systems packages also available in the online product catalog