Check Point’s 5100 Next Generation Firewall offers a fully integrated, unified solution tuned to deliver maximum security against 5th generation threats without compromising performance. 5100 Security Gateway provides the most advanced threat prevention security for demanding enterprise networks.

**PERFORMANCE HIGHLIGHTS**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>14.5 Gbps</td>
<td>2.2 Gbps</td>
<td>1.34 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 5100 Next Generation Security Gateway combines the most comprehensive security protections to safeguard your small enterprise and branch office deployments.

The 5100 is a 1U Next Generation Security Gateway with one I/O expansion slot for higher port capacity, 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 real-world 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 1.34 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
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 5100 Next Generation Security Gateway offers a complete and consolidated security solution available in two complete packages:

- Threat Prevention
- Threat Prevention + SandBlast

Integrated Security Management
5100 Security Appliances with the HDD option can manage itself and one adjacent appliance in a high availability deployment. Or manage the gateways via central unified management.

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.

ENTERPRISE-GRADE PLATFORM

<table>
<thead>
<tr>
<th></th>
<th>1 GbE (copper)</th>
<th>1 GbE (fiber)</th>
<th>Memory</th>
<th>LOM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5100</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Base</td>
<td>6</td>
<td>0</td>
<td>8 GB</td>
<td></td>
</tr>
<tr>
<td>HPP</td>
<td>6</td>
<td>4</td>
<td>16 GB</td>
<td></td>
</tr>
<tr>
<td>Max</td>
<td>14</td>
<td>4</td>
<td>16 GB</td>
<td></td>
</tr>
</tbody>
</table>

☒ this is optional
### Performance

**Ideal Testing Conditions**
- 14.5 Gbps of UDP 1518 byte packet firewall throughput
- 2.45 Gbps IPS
- 2.2 Gbps of NGFW
- 1.34 Gbps of Threat Prevention
- 1.6 Gbps of AES-128 VPN throughput
- 110,000 connections per second, 64 byte response
- 3.2/6.4M concurrent connections, 64 byte response

**Enterprise Testing Conditions**
- 6.45 Gbps of firewall throughput
- 2.45 Gbps IPS
- 2.1 Gbps of NGFW
- 700 Mbps of Threat Prevention
- 1.34 Gbps of Threat Prevention
- 1.6 Gbps of AES-128 VPN throughput
- 10,000 connections per second, 64 byte response
- 3.2/6.4M concurrent connections, 64 byte response

1: Includes Firewall, Application Control and IPS with R80.20.
3: Performance measured with default/HPP/maximum memory with R80.10.

### Additional Features

**Highlights**
- 1x CPUs, 2x physical cores (total)
- 1x 1TB HDD or 240GB SSD storage
- 8 and 16 GB memory options
- Lights-Out-Management card is optional

**Network Expansion Slot Options (1 of 1 slots open)**
- 8x 10/100/1000Base-T RJ45 port card, up to 14 ports
- 4x 1000Base-F SFP port card, up to 4 ports

**Fail-Open/Bypass Network Options**
- 4x 10/100/1000Base-T RJ45 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 7900+ pre-defined or customize your own applications
- Accept, prevent, schedule, and apply traffic-shaping

**Data Loss Prevention**
- Classify 500+ 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/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: 250W
- AC power input: 110 to 240V (47-63Hz)
- Power consumption max: 62.9W
- Maximum thermal output: 214.6 BTU/hr.

**Dimensions**
- Enclosure: 1RU
- Dimensions (WxDxH): 17.2x16x1.73 in.(438x406.5x44mm)
- Weight: 13.7 lbs. (6.22 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\(^1\), ISO14001\(^1\)

\(^1\) factory certificate
ORDERING 5100 SECURITY GATEWAYS

<table>
<thead>
<tr>
<th>BASE CONFIGURATION ¹</th>
<th>SKU</th>
</tr>
</thead>
<tbody>
<tr>
<td>5100 Next Generation Security Gateway Base Configuration, includes 6x1GbE copper ports, 8GB RAM, 1 HDD, 1 AC Power Unit, Next Generation Threat Prevention (NGTP) Security Subscription Package for 1 Year</td>
<td>CPAP-SG5100-NGTP</td>
</tr>
<tr>
<td>5100 SandBlast Next Generation Security Gateway Base Configuration, includes 6x1GbE copper ports, 8GB RAM, 1 HDD, 1 AC Power Unit, SandBlast (NGTX) Security Subscription Package for 1 Year</td>
<td>CPAP-SG5100-NGTX</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HPP CONFIGURATION ¹</th>
<th>SKU</th>
</tr>
</thead>
<tbody>
<tr>
<td>5100 Next Generation Security Gateway with High Performance Package, includes 6x1GbE copper ports, 4x1Gb SFP ports, 4 SR transceivers, 16 GB 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-SG5100-NGTP-HPP</td>
</tr>
<tr>
<td>5100 Next Generation Security Gateway with High Performance Package, includes 6x1GbE copper ports, 4x1Gb SFP ports, 4 SR transceivers, 16 GB RAM, 1 HDD, 1 AC Power Unit, Lights Out Management (LOM), Next Generation Threat Extraction (SandBlast) Security Subscription Package for 1 Year</td>
<td>CPAP-SG5100-NGTX-HPP</td>
</tr>
</tbody>
</table>

Accessories

<table>
<thead>
<tr>
<th>INTERFACE CARDS AND TRANSCEIVERS</th>
<th>SKUs</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 1GE copper Bypass (Fail-Open) network interface card (10/100/1000 Base-T)</td>
<td>CPAC-4-1C-BP-B</td>
</tr>
</tbody>
</table>

MEMORY

<table>
<thead>
<tr>
<th>MEMORY</th>
<th>SKU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory upgrade kit from 8GB to 16GB for 5100 appliance</td>
<td>CPAC-RAM8GB-5000</td>
</tr>
</tbody>
</table>

SPARES AND MISCELLANEOUS

<table>
<thead>
<tr>
<th>SPARES AND MISCELLANEOUS</th>
<th>SKU</th>
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</thead>
<tbody>
<tr>
<td>Lights Out Management module</td>
<td>CPAC-LOM-B</td>
</tr>
<tr>
<td>Slide rails for 5000 Appliances (22” - 32”)</td>
<td>CPAC-RAILS-5000</td>
</tr>
<tr>
<td>Extended slide rails for 5000 Appliances (24” - 36”)</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