CHECK POINT
13500 APPLIANCE

(Last Time to Buy: 30 June 2017)

CHECK POINT
13500 APPLIANCE

High data center cyber security performance

Product Benefits
- Security of data center assets
- Modular, serviceable platform fits easily into complex networking environments
- High availability and redundant components eliminates down time
- Centralize control with unified security management and LOM
- Ideal for applications that require Next Generation security

Product Features
- 3,200 SecurityPower™ Units
- Maximum security and performance
- High availability and serviceability
- Lights-Out-Management
- Optimized for Next Generation security

INSIGHTS
Large data centers have uncompromising needs for performance, uptime and scalability. High end security gateway solutions must perform network access control within the unique requirements of these environments while supporting the latest networking standards like IPv6. With the increase in sophisticated attacks, additional security layers such as Identity Awareness, IPS, Application Control, URL Filtering, Antivirus and others are required.

In addition to their vast performance and security needs, data center environments are characterized by rigid requirements for high reliability of its various systems. All of these requirements drive the need for redundant, serviceable and highly available components and systems.

SOLUTION
The 13500 Appliance delivers exceptional Next Generation Firewall performance in its class and offers unmatched scalability, serviceability and port density. Benefiting from Check Point’s advanced SecureXL, CoreXL and ClusterXL technologies, the 13500 Appliance is capable of delivering stunning performance in a compact 2 rack-unit physical footprint. With up to 23.6 Gbps firewall throughput and 5.7 Gbps of IPS throughput the 13500 Appliance is designed to secure the most demanding network environment.

The 13500 Appliance is designed from the ground up for unmatched flexibility for even the most demanding enterprise and data center network environments. The 13500 Appliance has 3 expansion slots supporting a wide range of network options. The standard configuration includes two onboard 1 Gigabit copper ports for Management. and Sync and twelve 1 Gigabit Ethernet copper ports. A maximally configured 13500 Appliance provides up to twenty-six 1 Gigabit copper ports, up to twelve 1 Gigabit fiber ports or up to twelve 10 Gigabit fiber ports. The 13500 Appliances also have hot-swappable redundant disk drives, fans and power supply units. Lights-Out-Management (LOM) provides remote support and maintenance capabilities. Order the appliance with an AC or DC power option to meet your datacenter requirements.
ALL-INCLUSIVE SECURITY SOLUTIONS
The Check Point 13500 Appliances offer a complete and consolidated security solution available in five Next Generation Security Software Blade packages.

Next Generation Firewall (NGFW): identify and control applications by user and scan content to stop threats.

Next Generation Secure Web Gateway (SWG): enables secure use of Web 2.0 with real time protection.

Next Generation Data Protection (NGDP): preemptively protect sensitive information from unintentional loss and educate users on proper data handling policy in real-time.


Next Generation Threat Extraction (NGTX): advanced next-gen zero-day threat prevention, NGTP with Threat Emulation and Threat Extraction.

PREVENT UNKNOWN THREATS
Check Point provides complete zero-day threat prevention and alerts when under attack. Threat Extraction delivers zero-malware documents in zero seconds. Threat Emulation inspects files for malicious content in a virtual sandbox. When Threat Emulation discovers new threats, a signature is sent to the Check Point ThreatCloud database which documents and shares information on the newly identified malware with other Check Point customers — providing immediate protection against zero-day threats.

INCLUSIVE HIGH PERFORMANCE PACKAGE
Customers with high connection capacity requirements can purchase the affordable High Performance Package (HPP) with the Next Generation security package of their choice. This includes the appliance plus a 4x10Gb SFP+ interface card, transceivers and 64 GB of memory for high connection capacity.

INTEGRATED SECURITY MANAGEMENT
The appliance can either be managed locally with its available integrated security management or via central unified management. Using local management, the appliance can manage itself and one adjacent appliance for high availability purposes.

A RELIABLE SERVICEABLE PLATFORM
The Check Point 13500 Appliances deliver business continuity and serviceability through features such as hot-swappable redundant power supplies, hard disk drives and fans and includes an advanced LOM card for out-of-band management. Combined together, these features ensure a greater degree of business continuity and serviceability when these appliances are deployed in the customer’s networks.

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. Administrators can also use the LOM web interface to remotely install an OS image from an ISO file.

GAIA—A UNIFIED SECURE OS
Check Point GAIA™ is the next generation Secure Operating System for all Check Point appliances, open servers and virtualized gateways. GAIA secures IPv4 and IPv6 networks utilizing the Check Point Acceleration & Clustering technology and it protects the most complex network environments by supporting dynamic routing protocols like RIP, OSPF, BGP, PIM (sparse and dense mode) and IGMP. As a 64-Bit OS, GAIA increases the connection capacity of select appliances.

GAIA simplifies management with segregation of duties by enabling role-based administrative access. Furthermore, GAIA greatly increases operation efficiency by offering Automatic Software Updates. The intuitive and feature-rich Web interface allows for instant search of any commands or properties.
### SPECIFICATIONS

**PERFORMANCE**

**Production Performance**
- 3,200 SecurityPower
- 23.6 Gbps firewall throughput
- 5.7 Gbps firewall and IPS throughput

**RFC 3511, 2544, 2647, 1242 PERFORMANCE (LAB)**
- 77 Gbps of firewall throughput, 1518 byte UDP
- 17 Gbps of VPN throughput, AES-128
- 7.8 Gbps of IPS throughput, Recommended IPS profile, IMIX traffic blend
- 7/28 million concurrent connections
- 178,000 connections per second, 64 byte HTTP response

**EXPANSION OPTIONS**

**Base Configuration**
- 2 onboard 10/100/1000Base-T RJ45 ports
- 4 x 10/100/1000Base-T RJ45 interface card (1 of the 3 expansion slots)
- 8 x 10/100/1000Base-T RJ45 interface card (1 of the 3 expansion slots)
- 16 GB memory
- Redundant dual AC or DC hot-swappable power supplies
- Redundant dual hot-swappable 500GB HDD RAID1
- LOM card
- Slide rails (22” to 32”)

**Network Expansion Slot Options (3 slots)**
- 4 x 10/100/1000Base-T RJ45 interface card
- 8 x 10/100/1000Base-T RJ45 interface card
- 2 x 1000Base-F interface card
- 4 x 1000Base-F interface card
- 2 x 10GBase-F SFP+ interface card
- 4 x 10GBase-F SFP+ interface card
- 4 x 10/100/1000Base-T Fail-Open NIC
- 4 x 1000Base-F SX or LX Fail-Open NIC
- 2 x 10GBase-F SR or LR Fail-Open NIC

**Max Configuration**
- Up to 26 x 10/100/1000Base-T RJ45 ports
- Up to 12 x 1000Base-F SFP ports
- Up to 12 x 10GBase-F SFP+ ports
- 32, 48 or 64 GB memory

**Virtual Systems**
- Max VSs: 150 (w/16GB), 250 (w/64GB)

### NETWORK

**Network Connectivity**
- IPv4 and IPv6
- 1024 interfaces or VLANs per system
- 4096 interfaces per system (in Virtual System mode)
- 802.3ad passive and active link aggregation
- Layer 2 (transparent) and Layer 3 (routing) mode

**High Availability**
- Active/Active - L3 mode
- Active/Passive - L3 mode
- Session synchronization for firewall and VPN
- Session failover for routing change
- Device failure detection
- Link failure detection
- ClusterXL or VRRP

### PHYSICAL

**Power Requirements**
- Input Voltage: 90 - 264VAC (47-63HZ), -36 to -72 VDC
- Inrush Current: 35A/70A@115VAC, 70A@230VAC, 35A@-48VDC
- Single Power Supply Rating: 600W
- Power Consumption Maximum: 431W
- Maximum thermal output: 1,730 BTU

**Dimensions**
- Enclosure: 2RU
- Standard (W x D x H): 17.4 x 23.6 x 3.5 in.
- Metric (W x D x H): 442 x 600 x 88 mm
- Weight: 17.5 kg (38.6 lbs.)

**Operating Environmental Conditions**
- Temperature: 32° to 104°F / 0° to 40°C
- Humidity: 5% - 95% (non-condensing)

**Storage Conditions**
- Temperature: -40° to 158°F / -40° to 70°C
- Humidity: 5% to 95% at 60°C (non-condensing)

**Certifications**
- Safety: CB, UL/cUL, CSA, TUV
- Emissions: FCC, CE, VCCI, C-Tick
- Environmental: RoHS

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1. Check Point's SecurityPower is a new benchmark metric that allows customers to select security appliances by their capacity to handle real-world network traffic, multiple security functions and a typical security policy.
2. With GAiA OS and 64 GB memory upgrade
## APPLIANCE PACKAGES

### BASE CONFIGURATION

<table>
<thead>
<tr>
<th>Package Description</th>
<th>SKU</th>
</tr>
</thead>
<tbody>
<tr>
<td>13500 Next-Gen Firewall (with FW, VPN, ADNC, IA, MOB-5, IPS and APCL) bundled with local management for up to 2 gateways</td>
<td>CPAP-SG13500-NGFW</td>
</tr>
<tr>
<td>13500 Secure Web Gateway (with FW, VPN, ADNC, IA, APCL, AV and URLF) bundled with local management and SmartEvent for up to 2 gateways</td>
<td>CPAP-SWG13500</td>
</tr>
<tr>
<td>13500 Next-Gen Data Protection (with FW, VPN, ADNC, IA, MOB-5, IPS, APCL, and DLP) bundled with local management for up to 2 gateways</td>
<td>CPAP-SG13500-NGDP</td>
</tr>
<tr>
<td>13500 Next-Gen Threat Prevention (with FW, VPN, ADNC, IA, MOB-5, IPS, APCL, URLF, AV, ABOT and ASPM) bundled with local management for up to 2 gateways</td>
<td>CPAP-SG13500-NGTP</td>
</tr>
<tr>
<td>13500 Next-Gen Threat Extraction (with FW, VPN, ADNC, IA, MOB-5, IPS, APCL, URLF, AV, ABOT, ASPM, TE and TEX) bundled with local management for up to 2 gateways</td>
<td>CPAP-SG13500-NGTX</td>
</tr>
<tr>
<td>13500 Next-Gen Firewall with 20 Virtual Systems</td>
<td>CPAP-SG13500-NGFW-VS20</td>
</tr>
<tr>
<td>13500 Next-Gen Firewall Bundle, one primary and one HA, with 20 VS</td>
<td>CPAP-SG13500-NGFW-VS20-2</td>
</tr>
</tbody>
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### SOFTWARE BLADE PACKAGES

#### SOFTWARE BLADE PACKAGES

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<tr>
<th>Package Description</th>
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<tbody>
<tr>
<td>13500 NGFW Software Blade package for 1 year (IPS and APCL)</td>
<td>CPSB-NGFW-13500-1Y</td>
</tr>
<tr>
<td>13500 Secure Web Gateway Software Blade package for 1 year (APCL, AV and URLF)</td>
<td>CPSB-SWG-13500-1Y</td>
</tr>
<tr>
<td>13500 NGDP Software Blade package for 1 year (IPS, APCL, and DLP)</td>
<td>CPSB-NGDP-13500-1Y</td>
</tr>
<tr>
<td>13500 NGTP Software Blade package for 1 year (IPS, APCL, URLF, AV, ABOT and ASPM)</td>
<td>CPSB-NGTP-13500-1Y</td>
</tr>
<tr>
<td>13500 NGTX Software Blade package for 1 year (IPS, APCL, URLF, AV, ABOT, ASPM, TE and TEX)</td>
<td>CPSB-NGTX-13500-1Y</td>
</tr>
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#### SOFTWARE BLADES

<table>
<thead>
<tr>
<th>Package Description</th>
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<tbody>
<tr>
<td>Check Point Mobile Access Blade for unlimited concurrent connections</td>
<td>CPSB-MOB-U</td>
</tr>
<tr>
<td>Data Loss Prevention Blade for 1 year (for 1,500 users and above, up to 250,000 mails per hour and max throughput of 2.5 Gbps)</td>
<td>CPSB-DLP-U-1Y</td>
</tr>
<tr>
<td>Check Point IPS blade for 1 year</td>
<td>CPSB-IPS-XL-1Y</td>
</tr>
<tr>
<td>Check Point Anti-Spam &amp; Email Security Blade for 1 year</td>
<td>CPSB-ASPM-XL-1Y</td>
</tr>
</tbody>
</table>

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1. SKUs for 2 and 3 years are available, see the online Product Catalog
2. DC power SKUs are also available
VIRTUAL SYSTEM PACKAGES

<table>
<thead>
<tr>
<th>Package Description</th>
<th>SKU</th>
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</thead>
<tbody>
<tr>
<td>50 Virtual Systems package</td>
<td>CPSB-VS-50</td>
</tr>
<tr>
<td>50 Virtual Systems package for HA/VLS</td>
<td>CPSB-VS-50-VSLS</td>
</tr>
<tr>
<td>25 Virtual Systems package</td>
<td>CPSB-VS-25</td>
</tr>
<tr>
<td>25 Virtual Systems package for HA/VLS</td>
<td>CPSB-VS-25-VSLS</td>
</tr>
<tr>
<td>10 Virtual Systems package</td>
<td>CPSB-VS-10</td>
</tr>
<tr>
<td>10 Virtual Systems package for HA/VLS</td>
<td>CPSB-VS-10-VSLS</td>
</tr>
</tbody>
</table>

1 SKUs for 2 and 3 years are available, see the online Product Catalog

ACCESSORIES

INTERFACE CARDS AND TRANSCEIVERS

<table>
<thead>
<tr>
<th>Card Description</th>
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</thead>
<tbody>
<tr>
<td>4 Port 10/100/1000 Base-T RJ45 interface card for 13000 and Smart-1 appliances</td>
<td>CPAC-4-1C-L</td>
</tr>
<tr>
<td>8 Port 10/100/100 Base-T RJ45 interface card for 13000 and Smart-1 appliances</td>
<td>CPAC-8-1C-L</td>
</tr>
<tr>
<td>2 Port 1000Base-F SFP interface card; requires SFP transceivers per port</td>
<td>CPAC-2-1F</td>
</tr>
<tr>
<td>4 Port 1000Base-F SFP interface card; requires SFP transceivers per port</td>
<td>CPAC-4-1F</td>
</tr>
<tr>
<td>SFP transceiver module for 1G fiber ports - long range (1000Base-LX)</td>
<td>CPAC-TR-1LX</td>
</tr>
<tr>
<td>SFP transceiver module for 1G fiber ports - short range (1000Base-SX)</td>
<td>CPAC-TR-1SX</td>
</tr>
<tr>
<td>SFP transceiver to 1000 Base-T RJ45 (Copper)</td>
<td>CPAC-TR-1T</td>
</tr>
<tr>
<td>2 Port 10GBase-F SFP+ interface card; requires 10GBase SFP+ transceivers per port</td>
<td>CPAC-2-10F</td>
</tr>
<tr>
<td>4 Port 10GBase-F SFP+ interface card; requires 10GBase SFP+ transceivers per port</td>
<td>CPAC-4-10F</td>
</tr>
<tr>
<td>SFP+ transceiver module for 10G fiber ports - long range (10GBase-LR)</td>
<td>CPAC-TR-10LR</td>
</tr>
<tr>
<td>SFP+ transceiver module for 10G fiber ports - short range (10GBase-SR)</td>
<td>CPAC-TR-10SR</td>
</tr>
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</table>

BYPASS CARD

<table>
<thead>
<tr>
<th>Bypass Card Description</th>
<th>SKU</th>
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</thead>
<tbody>
<tr>
<td>2 Port 10GE short-range Fiber Bypass (Fail-Open) interface card (1000Base-SR)</td>
<td>CPAC-2-10FSR-BP</td>
</tr>
<tr>
<td>2 Port 10GE long-range Fiber Bypass (Fail-Open) interface card (1000Base-LR)</td>
<td>CPAC-2-10FLR-BP</td>
</tr>
<tr>
<td>4 Port 1G short-range Fiber Bypass (Fail-Open) interface card (1000Base-SX)</td>
<td>CPAC-4-1FSR-BP</td>
</tr>
<tr>
<td>4 Port 1GE long-range Fiber Bypass (Fail-Open) interface card (1000Base-LX)</td>
<td>CPAC-4-1FLR-BP</td>
</tr>
<tr>
<td>Port 1GE copper Bypass (Fail-Open) interface card (10/100/1000 Base-T)</td>
<td>CPAC-4-1C-BP</td>
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</tbody>
</table>

SPARES AND MISCELLANEOUS

<table>
<thead>
<tr>
<th>Description</th>
<th>SKU</th>
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</thead>
<tbody>
<tr>
<td>16 GB RAM memory upgrade for 13500 appliance</td>
<td>CPAC-RAM16GB-13000</td>
</tr>
<tr>
<td>Replacement parts kit including 1 HDD, one AC power supply and one fan for 13000 Appliance</td>
<td>CPAC-SPARES-13000</td>
</tr>
<tr>
<td>Replacement AC power supply for 13000 Appliance</td>
<td>CPAC-PSU-AC-13000</td>
</tr>
<tr>
<td>Replacement DC power supply for 13000 Appliance</td>
<td>CPAC-PSU-DC-13000</td>
</tr>
<tr>
<td>Replacement 500G Hard Disk Drive for 13000 Appliance</td>
<td>CPAC-HDD-500G-13000</td>
</tr>
<tr>
<td>Replacement fan for 13000 Appliance</td>
<td>CPAC-FAN-13000</td>
</tr>
<tr>
<td>Slide rails for 13000 Appliances (22”-32”)</td>
<td>CPAC-RAIL-L</td>
</tr>
<tr>
<td>Extended slide rails for 13000 Appliances (24”-36”)</td>
<td>CPAC-RAIL-EXT-L</td>
</tr>
</tbody>
</table>

CONTACT US

Worldwide Headquarters | 5 Ha'Solelim Street, Tel Aviv 67897, Israel | Tel: 972-3-753-4555 | Fax: 972-3-624-1100 | Email: info@checkpoint.com
U.S. Headquarters | 959 Skyway Road, Suite 300, San Carlos, CA 94070 | Tel: 800-429-4391; 650-628-2000 | Fax: 650-654-4233 | www.checkpoint.com

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