



Check Point[®]
SOFTWARE TECHNOLOGIES LTD.

Check Point Appliances 2012 Models

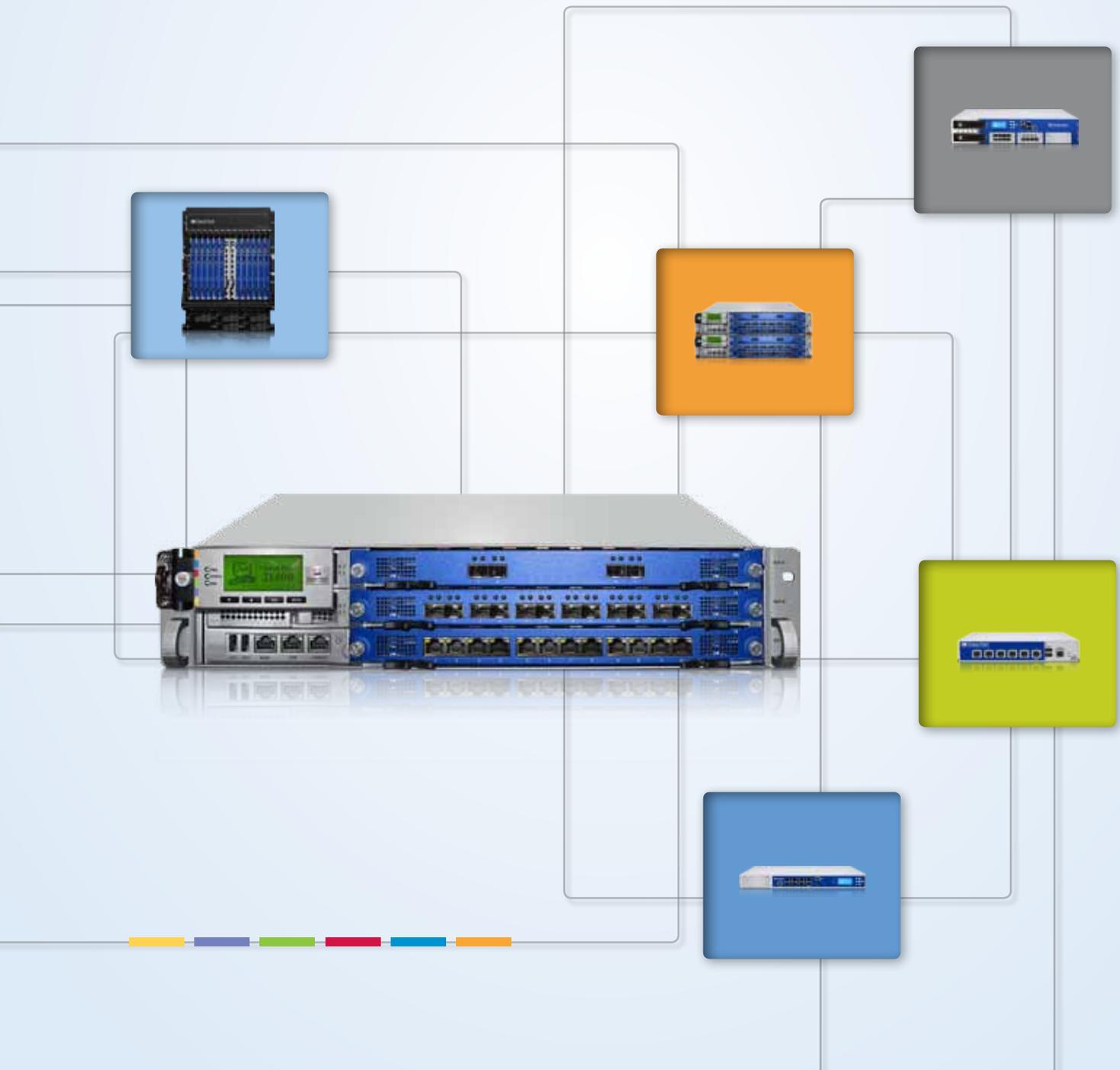




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Introduction



In today's enterprise networks, the security gateway is more than a firewall—it is a device presented with an ever-increasing number of sophisticated threats. As an enterprise security gateway it must use multiple technologies to control network access, detect sophisticated attacks and provide additional security capabilities like data loss prevention, protection from web-based threats and securing the increasing number of mobile devices such as the iPhone and Tablets in enterprise networks. These increased threats and security capabilities demand greater performance and versatility from the security appliances.

Empowered by Check Point GAiA, the next-generation security operating system, the new Check Point 2012 appliances combine high performance multi-core capabilities with fast networking technologies—providing the highest level of security for your data, network and employees. Optimized for the extensible Software Blades Architecture, each appliance is capable of running any combination of Software Blades—including Firewall, IPsec VPN, IPS, Application Control, Mobile Access, DLP, URL Filtering, Anti-Bot, Antivirus, Anti-spam, Identity Awareness and Advanced Networking & Clustering—providing the flexibility and the precise level of security for any business at every network location. By consolidating multiple security technologies into a single security gateway, the new appliances are designed to deliver advanced and integrated security solutions to meet all of your business security needs.

Introduced in August 2011, SecurityPower™ is a metric that measures the capacity of an appliance to perform multiple advanced functions in a specific traffic volume. It provides an revolutionary benchmark that enables customers to select the appropriate security appliances for their specific deployment scenarios. The SecurityPower ratings are determined based on real-world customer traffic, multiple security functions and a typical security policy.

CHECK POINT 2012 APPLIANCES

Check Point offers the following appliance models to effectively deliver comprehensive security applications:

- **2200 Appliance**—The Check Point 2200 is an all-in-one enterprise security solution for the branch offices and small offices. Its multi-core technology and 6 integrated 1-gigabit Ethernet ports deliver leading performance in a compact desktop package.
- **4000 Appliances**—The Check Point 4000 Appliances are enterprise-grade security appliances with fast networking and fiber and copper connectivity options. In a compact 1U form factor, these appliances deliver superior performance for their class.
- **12000 Appliances**—Check Point 12000 Appliances deliver datacenter-grade security with superior multi Software Blades performance. These appliances provide organizations with maximum security in high-performance environments such as large campuses or data centers.
- **21400 Appliance**—The Check Point 21400 is a datacenter-grade security appliance with high port density, low latency and acceleration options. Built from the ground up, the 21400 is designed to optimize a full range of software blades—providing large enterprises and data centers with the next-generation platform to build their 3D Security blueprint.
- **61000 Security System**—Check Point 61000 with bladed hardware architecture provides scalable performance for data centers and telecommunication companies. Each blade is equivalent to an independent server or appliance, and contains dedicated resources for the Software Blades. Bladed hardware platforms deliver built-in fail-over and load-balancing utilities, as well as an increase in system performance.
- **VSX Appliances**—VSX Appliances are dedicated devices for multi-layer, multi-domain virtualized security. VSX allows enterprises, data centers and service providers to consolidate up to 250 security gateways with firewall, IPsec and SSL virtual private network (VPN), intrusion prevention and URL filtering on a single device.

Check Point GAIa— The New Cutting-Edge Security Operating System

Greater efficiency with native IPv6 security powered by a 64-bit OS



Check Point GAIa™ is the next generation Secure Operating System for all Check Point Appliances, Open Servers and Virtualized Gateways. GAIa combines the best features from IPSO and SecurePlatform (SPLAT) into a single unified OS providing greater efficiency and robust performance. By upgrading to GAIa, customers will benefit from highly efficient 64-bit OS, improved appliance connection capacity and streamlined operational process. With GAIa, customers will gain the ability to leverage the full breadth and power of all Check Point Software Blades. GAIa secures IPv4 and IPv6 networks utilizing the Check Point Acceleration & Clustering technology and it protects the most complex network environments by supporting 5 different dynamic routing protocols.

GAIa simplifies management with segregation of duties among users with different privileges by enabling role-based administration. Furthermore, GAIa greatly increases operation efficiency by offering Automatic Software Update. The intuitive and feature-rich Web interface allows for search of any command or property in a second. GAIa has full compatibility with IPSO and SPLAT command line interface making it an easy transition for existing Check Point customers.

About SecurityPower

The new way to measure the Real Power of security appliances

Until now, choosing the right security appliance for a specific deployment situation has been a challenging task. Organizations can have vastly different requirements in securing their computing environments: network size, required throughput, desired security functions, ability to handle future growth and allotted budget are all significant components of the decision process. Furthermore, system vendors often advertise their system performance numbers measured under firewall security only, with a single firewall policy, and in a specific lab network environment. Appliance performances in real-world network traffic vary significantly from the results obtained in this simplified lab condition. So, the task of selecting the right appliance for your deployment can be an elusive one.

Check Point **SecurityPower** addresses the challenges of selecting the appropriate appliances for your specific needs. It is a new metric that allows customers to select security appliances by their capability to handle multiple security functions and a typical security policy in real-world network traffic. Each appliance has a SecurityPower capacity that represents its performance while running multiple advanced security functions with a typical security policy.

SecurityPower capacity is determined by integrating multiple appliance performance measurements based on a real-world network traffic mix – which resulted from extensive traffic analysis of a large number of Check Point customers. Different combinations of advanced security functions including firewall, IPS, application control, antivirus/anti-malware, URL filtering, and data loss prevention are applied to the traffic in conjunction with a realistic security policy that includes 100 firewall rules, logging of all connections, NAT, a strong IPS protection profile, and up-to-date antivirus signatures. You will be able to measure your specific security requirements in terms of SecurityPower capacity required, and then, compare it against the SecurityPower capacity of each appliance—making your appliance selection process simple.

SecurityPower is a revolutionary new metric that specifies the true performance and capabilities of security appliances in real-world deployment scenarios. Using SecurityPower as a benchmark, customers can—for the first time—easily determine which security appliances can best support the current and future network protection needs with their specific requirements. Selecting the right security appliance no longer has to be a risky guesswork. SecurityPower offers a systematic and scientific way to calculate and determine which appliance is the most appropriate choice for a targeted security deployment.



SecurityPower

For more information: www.checkpoint.com/products/securitypower

2200 Appliance

Branch and small office solution—enterprise security in a desktop package

OVERVIEW

Seamless security requires protection not only in the main corporate networks; it also requires the same level of protection for remote and branch offices—to form an unified and total defense against potential threats. The Check Point **2200 Appliance** is an ideal solution for delivering security for small offices and branch offices.

The **2200 Appliance** offers enterprise-grade security with leading price/performance in a compact desktop form factor. Its multi-core technology, six 1 Gigabit Ethernet ports and the full support of the Software Blade Architecture delivers a natural extension of corporate security to remote locations. Despite its small form factor, this powerful appliance provides a respectable 114 SecurityPower units, firewall throughput of 3 Gbps and IPS throughput of more than 2 Gbps. Starting at \$3,600 and pre-configured with 5, 7, 8 or 10 Software Blades, the **2200 Appliance** provides an effective and affordable security solution in an all-in-one package. Additional blades can be added to further extend and customize protection options.

BENEFITS

- Powerful all-in-one security in a compact desktop form factor
- Consolidate small/remote office security in a single appliance
- Proven security trusted by 100% of the Fortune 100
- Local management console for quick and simple deployment
- Centralized management from anywhere in the network



2200 Appliance

For more information: www.checkpoint.com/products/2000-appliances

4000 Appliances

Enterprise-grade security appliances with flexible copper and fiber interface options

OVERVIEW

With an ever-increasing number of evolving threats, today's security gateway needs to be more than just a firewall—it must use multiple technologies to control network access, detect and mitigate sophisticated attacks, and provide additional security capabilities such as data loss prevention and protection from Web-based threats.

The Check Point **4000 Appliances** combine fast networking technology with high-performance multi-core capabilities—delivering exceptional multi-layered security protection without compromising on performance. The **4000 Appliances** pack a maximum of 16 1 Gigabit Ethernet ports, redundant hot-swappable power supplies and an optional out-of-band LOM module into a compact 1U rack mountable form-factor. Supporting up to 11 Gbps of firewall throughput, 6 Gbps of IPS throughput and 623 SecurityPower Units, these appliances offer the best performance for its class.

Security decisions no longer have to be a choice between features and performance. With the Check Point **4000 Appliances** and the extensible Software Blade Architecture, customers can be confident that the security solutions deployed will meet their protection needs and also match the performance requirements of the most demanding network environments.

BENEFITS

- Superior performance for its class
- Compact 1U chassis for integrated security and security consolidation
- Reliable enterprise-class security appliance with multi-core technology and remote management features
- Flexible network options with copper, fiber, 1GbE and 10GbE ports
- Proven and extensible security securing the perimeter and segments of enterprise networks
- Simple deployment and centralized management from anywhere in the network
- Remote management with Lights-Out-Management (LOM, 4800 only)



4800 Appliance



4600 Appliance



4400 Appliance



4200 Appliance

For more information: www.checkpoint.com/products/4000-appliances

12000 Appliances

Datacenter-grade security appliances with redundant components and superior multi-Software Blade performance

OVERVIEW

Leveraging its multi-core and acceleration technologies, the Check Point **12000 Appliances** deliver fast firewall throughput from 15 to 30 Gbps and IPS throughput from 8 to 17 Gbps. Optimized for the Software Blades Architecture, these appliances are designed for high performance and reliability for even the most demanding enterprise and datacenter network environments.

The **12000 Appliances** provides superior price performance on key investment criteria such as price-per-port and price-per-GB, all in a smaller form factor than competing products. In either an one rack unit (1RU) or a two rack unit (2RU) form factor, the 12000 Appliances deliver more than 1,800 SecurityPower Units (SPU) of real-world traffic processing power for unsurpassed performance of any security appliance in its class.

Business continuity and high serviceability are further ensured by redundant hot-swappable power supplies and hard disk drives, and an optional Lights-Out-Management (LOM) module. With these and the high-availability features in the software, any potential service-interrupting failures can be avoided or quickly mitigated.

BENEFITS

- Datacenter-grade security with attractive prices
- Flexible network options with high port density for a wide variety of network environments
- Best performing security appliances in its class
- Redundant hot-swappable components ensure business continuity
- Simple deployment and centralized management from anywhere in the network
- Remote management with Light-Out-Management (LOM)



12600 Appliance



12400 Appliance



12200 Appliance

For more information: www.checkpoint.com/products/12000-appliances

21400 Appliance

Datacenter-grade security appliance with high port density, low latency and acceleration option

OVERVIEW

Leveraging its multi-core and acceleration technologies, the Check Point **21400 Appliance** supports the industry's fastest firewall throughput of up-to 110 Gbps and IPS throughput of more than 21 Gbps. The 21400 is designed from the ground up for unmatched flexibility for even the most demanding enterprise and datacenter network environments.

The **21400 Appliance** provides superior price performance on key investment criteria such as price-per-port and price-per-GB, all in a smaller form factor than any competing products in its class. It is a two rack unit (2RU) security appliance that delivers more than 50 Gbps of large packet throughput and supports a variety of copper, fiber, 1GbE and 10 GbE network connections. An optional Security Acceleration Module will boost performance to as much as 110 Gbps and 2,900 SecurityPower Units (SPU). Optional clustering and serviceable components frees administrators to perform transparent "rolling upgrades" in which nodes are gracefully removed from the cluster, upgraded, and reinserted, all without any disruption to services.

Available with the full suite of Check Point Software Blades, the **21400 Appliance** is extensible to include additional Blades as security needs grow. Automatic updates from Check Point turn the **21400 Appliance** into an active security solution that keeps your data, network and employees safe from the latest threats and exploits.

BENEFITS

- Industry's most powerful security appliance in a compact 2U chassis
- Maximum security and performance for demanding data center environments
- High port density fits easily into highly segmented network environments
- Optimized for low latency transaction-oriented environments
- High availability and serviceability for optimal reliability
- Simple deployment and management from anywhere in the network
- Remote management with Light-Out-Management (LOM)
- Low latency with Security Acceleration Module



21400 Appliance

61000 Security System

Multi-blade hardware architecture provides scalable performance for data centers and telecommunication companies

OVERVIEW

When it comes to protecting the most demanding network environments of data centers, telecommunication and cloud service providers, security and performance are two critical factors that cannot be compromised. The multi-blade hardware and software architecture in the **61000 Security System** is ideal for these environments. The platform provides scalable firewall throughput from 40 to 200 Gbps and from 3,000 to 14,600 SecurityPower Units across two to twelve Security Gateway modules in a platform that is capable of 1 Tbps. The system supports up-to 70 million concurrent connections and 600,000 sessions per second—bringing unparalleled security performance to multi-transaction environments.

Designed from the ground-up to support the reliability, availability and serviceability requirements of data centers and service providers, the carrier-grade ATCA chassis runs Check Point ClusterXL™ in High Availability and Load Sharing modes among Security Gateway Modules in one chassis. Check Point SyncXL™ enables highly efficient synchronization of system and security information between components ensuring high system performance. Add another 61000 chassis operating in High Availability mode to further improve redundancy—ensuring mission-critical assets are always available and protected.

In addition, proven advanced security technologies from Check Point protect against sophisticated attacks with a world-record Intrusion Prevention (IPS) performance of 85 Gbps based on a default profile or 40 Gbps based on a recommended security profile and a real-world traffic mix. With the **61000 Security System**, customers can easily optimize and consolidate any number of security protections available in Check Point's Software Blade Architecture, such as: Firewall, IPsec VPN, IPS, URL Filtering, Antivirus, and Application Control into a single, integrated solution.

BENEFITS

- Ground-breaking performance for the most demanding environments
- Full system redundancy and serviceability for optimal reliability
- Extremely flexible hardware architecture with modular components
- Automatic load-sharing and load-balancing among installed components
- Carrier-grade with NEBS L3 and ETSI compliance
- 1 Tbps ready
- ATCA architecture
- Designed for fast deployment in less than 30 minutes



61000 Security System

For more information: www.checkpoint.com/products/61000-appliances

VSX Appliances

Virtualized security

OVERVIEW

The **VSX™** appliances are security gateways that enable the consolidation of hundreds of security systems on a single hardware platform, delivering deep cost savings and infrastructure consolidation. Based on the proven security of VPN-1® Power™, **VSX** provides best-in-class firewall, VPN, URL filtering, and intrusion-prevention technology to multiple networks, securely connecting them to each other and shared resources such as the Internet and DMZs. All security systems, virtual and real, are centrally managed through Check Point SmartCenter™ or Multi-Domain Security Management consoles. Powerful turnkey **VSX** appliances further reduce deployment cost while delivering carrier-class reliability and scalability.

VSX enables any organization to optimize space and costs by operating a virtual network of hundreds of routers, switches, and VPN-1 gateways. For MSPs, **VSX** becomes the ideal platform for new subscription revenue opportunities by delivering new security services easily and efficiently. These include value-add virtualized content filtering, VPN, network segmentation and firewall services, instantly provisioned using the **VSX** Virtual Systems Wizard at the lowest possible cost.

BENEFITS

- Unique and comprehensive virtualized security solution with firewall, VPN, IPS, and URL filtering
- Consolidate from five to hundreds of security gateways on a single device, increasing device hardware utilization and reducing power, space, and cooling
- Linear scalability, load sharing and multi-Gigabit performance
- Flexible deployment options including open platforms and a full line of turnkey appliances
- Centralized security management unifies both physical and virtual management in a single solution



VSX 21400 Appliance



VSX 12600 Appliance



VSX 12200 Appliance



VSX 12400 Appliance

For more information: www.checkpoint.com/products/vpn-1-power-vsx/index.html

Appliance Accessories

4000, 12000 and 21000 Appliances

NETWORK

The 4000 and 12000 Appliances can be ordered with 1GbE copper, 1GbE fiber or 10 GbE fiber network interface cards. The port density varies depending upon the appliance and the number of expansion slots available. Network interface cards are interchangeable between the 4000 and 12000 Appliances with the 10 GbE interface options available in the 4800 model and up.

The 21400 Appliance can be ordered with 1GbE copper, 1GbE fiber or 10GbE fiber network interface cards. The port density can be expanded up to 37 1GbE copper ports or up to 36 1GbE fiber ports. A 4-port 10GbE fiber option is also available for the 21400 expanding its maximum network capacity to 12 x 10GbE ports.

NETWORK PORT CAPACITIES (4000, 12000 AND 21400 APPLIANCES)

	4200	4400	4600	4800	12200	12400	12600	21400
Network I/O Options (4000 and 12000 Appliances)								
10/100/1000 Base-T (Default/Max Ports)	4/8	8/12	8/12	8/16	8/16	10/26	14/26	13/37
1000Base-F SFP (Default/Max Ports)	0/4	0/4	0/4	0/4	0/4	0/12	0/12	0/36
10GBase-F SFP+ (Default/Max Ports)	N/A	N/A	N/A	0/2	0/4	0/12	0/12	0/12
Expansion Slots	1	1	1	1	1	3	3	3

NETWORK I/O MODULES (4000 AND 12000 APPLIANCES)

SKU	CPAC-4-1C	CPAC-4-1F	CPAC-8-1C	CPAC-2-10F	CPAC-4-10F
					
Supported Appliances	4200; 4400; 4600; 4800; 12200; 12400; 12600	4200; 4400; 4600; 4800; 12200; 12400; 12600	4800; 12200; 12400; 12600	4800; 12200; 12400; 12600	12200; 12400; 12600
No. of Ports	4	4	8	2	4
Port Type	RJ-45 (Copper) 10/100/1000Base-T	SFP 1000Base-SX/LX	RJ45 (Copper) 10/100/1000Base-T	SFP+ 10GBase-SR/LR	SFP+ 10GBase-SR/LR
Speed	1Gbps	1Gbps	1Gbps	10Gbps	10Gbps
Possible Transceivers	NA	CPAC-TR-1SX CPAC-TR-1LX	NA	CPAC-TR-10SR CPAC-TR-10LR	CPAC-TR-10SR CPAC-TR-10LR

Appliance Accessories

4000, 12000 and 21000 Appliances

NETWORK TRANSCEIVER* SPECIFICATION (4000 AND 12000 APPLIANCES)

SKU	CPAC-TR-1SX	CPAC-TR-1LX	CPAC-TR-10SR	CPAC-TR-10LR
				
Form Factor	SFP	SFP	SFP+	SFP+
Protocol	1.25 Gb/s 1000Base-SX Ethernet	1.25 Gb/s 1000Base-LX Ethernet	10GBASE-SR 10G Ethernet	10GBASE-LR 10G Ethernet
Wavelength (nm)	850	1310	850	1310
Connector	LC	LC	LC	LC
Distance (Max)	500m at 50/125µm MMF	5km	300m	10km
Supported Cable Type	Orange: multi-mode 50/125 µm MMF (OM3)	Yellow: Single mode 5km at 9µm	Orange: multi-mode 50/125 µm fiber (OM3)	Yellow: single mode 10km at 9µm

* Only Check Point provided transceivers are supported.

NETWORK I/O MODULES (21400 APPLIANCE)

SKU	CPAC-12-1C-21000	CPAC-12-1F-21000	CPAC-4-10F-21000
			
No. of Ports	12	12	4
Port Type	RJ-45 (Copper) 10/100/1000Base-T	SFP 1000Base-T\SX\LX	SFP+ 10GBase-SR\LR
Speed	1Gbps	1Gbps	10Gbps
Possible Transceivers	NA	CPAC-TR-1SX-21000 CPAC-TR-1LX-21000 CPAC-TR-1T-21000	CPAC-TR-10SR-21000 CPAC-TR-10LR-21000

Appliance Accessories

4000, 12000 and 21000 Appliances

NETWORK TRANSCEIVER* SPECIFICATION (21400 APPLIANCE)

SKU	CPAC-TR-1T-21000	CPAC-TR-1SX-21000	CPAC-TR-1LX-21000	CPAC-TR-10SR-21000	CPAC-TR-10LR-21000
					
Form Factor	SFP	SFP	SFP	SFP+	SFP+
Protocol	1000Base-T Compliant	1.25 Gb/s 1000Base-SX Ethernet	1.25 Gb/s 1000Base-LX Ethernet	10GBASE-SR 10G Ethernet	10GBASE-LR 10G Ethernet
Wavelength (nm)	-	850	1310	850	100 m
Connector	RJ-45	LC	LC	LC	LC
Distance (Max)	100 m	500m at 50/125µm MMF	10km	300m	10km
Supported Cable Type	Cat 5	Orange: multi-mode 50/125 µm MMF (OM3)	Yellow: Single mode 10km at 9µm	Orange: multi-mode 50/125 µm fiber (OM3)	Yellow: single mode 10km at 9µm
Input Level (Receive Power) dBm	N/A	-18dBm	-19dBm	-17dBm	-19dBm
Output Level (Transmit Power) dBm	N/A	-2.5 to -9dBm	-3 to -9.5dBm	-1 to -9.5dBm	-3 to -11dBm

* Only Check Point provided transceivers are supported.

SECURITY ACCELERATION MODULE (21400 APPLIANCE)

SKU	CPAC-SAM108
	
No. of Security Cores	108
Card Type	Acceleration Module for 21000 appliances
Performance Upgrade to 21400 Appliance	
Firewall	110 Gbps
Packets Per Second	60,000,000
Sessions Per Second	300,000
Firewall Latency	Sub 5µs

Appliance Accessories

4000, 12000 and 21000 Appliances

STORAGE

Redundant disk drives are configured in a RAID 1 mirror increasing system reliability. RAID status monitoring is available via SNMP.

REDUNDANT STORAGE OPTIONS (4000, 1200 & 21400 APPLIANCES)

	4200	4400	4600	4800	12200	12400	12600	21400
Storage Options								
Default (GB)	1x250	1x250	1x250	1x250	1x500	1x500	2x500	2x500
Optional Redundant HDD (GB)	N/A	N/A	N/A	N/A	1x500	1x500	Included	Included
Maximum	N/A	N/A	N/A	N/A	2x500 RAID1	2x500 RAID1	2x500 RAID1	2x500 RAID1

STORAGE HDD SPECIFICATION (12200, 12400, 12600 & 21400 APPLIANCES)

	12200	12400	12600	21400
SKU	CPAC-HDD-500G-12200	CPAC-HDD-500G		CPAC-HDD-500G-21000
Capacity	500 GB	500 GB		500 GB
Interface	SATA, 3Gbps	SATA, 3Gbps		SATA, 3Gbps
RPM	7200	7200		7200
Cache	32MB	64MB		64MB

POWER SUPPLIES

Power Supplies increase the reliability of the appliance. In the dual power supply configuration an audible alarm occurs when one power supply fails. Power Supply status is also monitored via SNMP or in the WebUI status.

POWER SUPPLY OPTIONS (4000, 12000 & 21400 APPLIANCES)

	4200	4400	4600	4800	12200	12400	12600	21400
Power Supply Options								
Redundant Power Supplies (1 + 1)	N/A	N/A	N/A	Optional	Optional	Included	Included	Included

POWER SUPPLY SPECIFICATION (4800, 12200, 12400, 12600 & 21400 APPLIANCES)

	4800	12200	12400	12600	21400
SKU	CPAC-PSU-4800	CPAC-PSU-12200	CPAC-PSU-12400	CPAC-PSU-12600	CPAC-PSU-21000
Input Voltage	110-240VAC	110-240VAC	110-240VAC	110-240VAC	110-240VAC
Input Current	3-1.5A	3-1.5A	3-1.5A	3-1.5A	3-1.5A
Frequency	47-63Hz	47-63Hz	47-63Hz	47-63Hz	47-63Hz
Thermal Output	425.6 BTU	412.9 BTU	450.4 BTU	750.6 BTU	1,533 BTU
Output Power	275W	275W	300W	400W	910W

Appliance Accessories

4000, 12000 and 21000 Appliances

MEMORY

Memory increases the connection capacity of the appliance and improves the ability of the appliance to handle additional Software Blades.

MEMORY EXPANSION OPTIONS

	4200	4400	4600	4800	12200	12400	12600	21400
Memory Expansion Options								
Default (GB)	4	4	4	4	4	4	6	12
Optional Memory Expansion (GB)	N/A	N/A	N/A	4	4, 8	4, 8	6	12
Maximum (GB)	-	-	-	8	12	12	12	24

MEMORY SPECIFICATION (4800, 12200, 12400, 12600 & 21400 APPLIANCES)

	4800	12200	12400	12600	21400
SKU	CPAC-RAM4GB	CPAC-RAM4GB	CPAC-RAM4GB-12400	CPAC-RAM6GB-12600	CPAC-RAM12GB-21000
Capacity	4 GB	4 GB	4 GB	6 GB	12 GB
Type	DDR3	DDR3	DDR3	DDR3	DDR3
Number of Modules	1 x 4GB	1, 2 x 4GB	1, 2 x 4GB	6 x 1GB	6 x 2GB
ECC	No	No	No	Yes	Yes

SLIDE MOUNTING RAILS

Slide rails provide easy and fast maintenance access for 4000, 12000 and 21400 Appliances in a standard 19-inch (48.26 cm) rack (see specification EIA-310-D).

SLIDING MOUNTING RAIL OPTIONS

	4200	4400	4600	4800	12200	12400	12600	21400
Sliding Rail	Optional	Optional	Optional	Included	Included	Included	Included	Included

SLIDE RAIL SPECIFICATION (4000 APPLIANCES)

Use the telescoping rails used with racks that have these specifications:

- SKU: CPAC-RAILS
- Minimum depth: 25.9 in (66 cm)
- Maximum depth: 31.5 in (80 cm)

SLIDE RAIL SPECIFICATION (21400 APPLIANCE)

- Minimum depth: 26 in (66 cm)
- Maximum depth: 35 in (88.9 cm)

Appliance Accessories

61000 Security System

61000 SECURITY SYSTEM

The Check Point 61000 Security System delivers business continuity and serviceability through capabilities such as redundant and hot-swappable components for its key system building blocks such as power supply, cooling fan, and other system I/O and management modules. Designed to meet the stringent ATCA specification, the 61000 system is NEBS Level-3 compliant when deployed with the optional SGM220T Security Gateway Modules.

CHASSIS OPTIONS

Two redundant **Chassis Management Modules (CMM)** continuously check and monitor the health of the chassis including fans, power supplies and **Security Gateway Modules (SGM)**. The CMM also enables control of power to the **SGM and the SSM (Security Switch Module)** modules.

	61000 AC	61000 DC
Chassis Management Module (CCM, Default/Max)	2/2	2/2
Cooling Fan (Default/Max)	6/6	6/6
AC Power Supply (Default/Max)	5/5	N/A
DC Power Supply (Default/Max)	NA	2/2

SECURITY GATEWAY MODULE (SGM) OPTIONS

Supporting from 2 to 12 Security Gateway Modules (SGM), the 61000 is an extensible platform that scales with your business to enforce the Software Blade security and policies.

	61000 AC	61000 DC
SGM220 (Default/Max)	2/12	2/12
SGM220T – NEBS Level 3 (Default/Max)	0/12	0/12
Memory for SGM (Default/Max)	12/24	12/24

SECURITY SWITCH MODULE (SSM) OPTIONS

Two redundant Security Switch Modules (SSM) provide the switching fabric, physical interfaces and routing functions for the 61000 Security System.

	61000 AC	61000 DC
Security Switch Module (SSM60, Default/Max)	2/2	2/2
Security Switch Module (SSM160, Default/Max)	0/2	0/2

Appliance Accessories

61000 Security System

SKU	CPAP-SSM60	CPAP-SSM160
		
No. of Ports	<p>6 x 10GBase-F XFP</p> <p>Management Ports: 2 x 10GBase-F XFP 2 x 1000Base-F SFP</p>	<p>8 x 10GBase-F SFP+ 2 x 40GBase-F QSFP (can be split to 8 x 10GBase-F with 1000 Gbps throughput)</p> <p>Management Ports: 2 x 10GBase-F XFP+ 2 x 1000Base-F SFP+</p>
Compatible Transceivers	<p>CPAC-TR-10LR-SSM60-XFP CPAC-TR-10SR-SSM60-XFP CPAC-TR-1LX-SSM60-SFP CPAC-TR-1SX-SSM60-SFP CPAC-TR-1T-SSM60-SFP</p>	<p>CPAC-TR-10LR-SSM160-SFP+ CPAC-TR-10SR-SSM160-SFP+ CPAC-TR-40SR-SSM160-QSFP CPAC-TR-40LR-SSM160-QSFP CPAC-TR-40SPLIT-QSFP-SR CPAC-TR-1SR-SSM160-SFP CPAC-TR-1LX-SSM160-SFP CPAC-TR-1T-SSM160-SFP+</p>



Appliance Specifications

2012 Appliances

	2200	4200	4400	4600	4800	12200	12400	12600	21400	61000
	Small-Office	Enterprise Grade				Data Center Grade			Ultra-High End	
Performance										
SecurityPower	114	114	223	374	623	738	1046	1861	2003/2900 ¹	3000 to 14600
Firewall Throughput (Gbps)	3	3	5	9	11	15	25	30	50/110 ¹	Up to 200
VPN Throughput (Gbps)	0.4	0.4	1.2	1.5	2	2.5	3.5	7	7	-
IPS Default Profile (Gbps)	2	2	3.5	4	6	8	12	17	21	Up to 110
IPS Recommended Profile (Gbps)	0.3	0.3	0.7	1	1.5	2.5	3.5	6	6	Up to 40
Connections Per Second (K)	25	25	40	50	70	90	110	130	130/300 ¹	Up to 600
Concurrent Sessions (M)	1.2	1.2	1.2	1.2	3.3 ²	5 ²	5 ²	5 ²	10 ²	Up to 70 ²
Network										
10/100/1000Base-T/ Max Ports	6/6	4/8	8/12	8/12	8/16	8/16	10/26	14/26	13/37	NA
1000Base-F SFP (MAX Ports)	NA	4	4	4	4	4	12	12	36	NA ³
10GBase-F SFP+ (MAX Ports)	NA	NA	NA	NA	2	4	12	12	12	16/32 ³
40GBase-F MAX Ports	NA	NA	NA	NA	NA	NA	NA	NA	NA	4 ³
Expansion Slot	0	1	1	1	1	1	3	3	3	14
Additional Features										
Software Edition	R71.x, R75.x	R71.x, R75.x	R71.x, R75.x	R71.x, R75.x	R71.x, R75.x	R71.x, R75.x	R71.x, R75.x	R71.x, R75.x	R71.x, R75.x	R75.x 64 bit
Storage	250 GB	250 GB	250 GB	250 GB	250 GB	1+1 500 GB	1+1 500 GB	2x500 GB RAID 1	2x500 GB RAID 1	-
Memory / Max	2/2 GB	4/4 GB	4/4 GB	4/4 GB	4/8 GB	4/12 GB	4/12 GB	6/12 GB	12/24 GB	12/24 GB ⁴
LOM Card	NA	NA	NA	NA	Included	Included	Included	Included	Included	Included
Physical										
Enclosure	Desktop	1U	1U	1U	1U	1U	2U	2U	2U	15U
Dimensions WxDxH (Standard)	8.27 x 8.25 x 1.65 in.	17.25 x 12.56 x 1.73 in.	17.25 x 12.56 x 1.73 in.	17.25 x 12.56 x 1.73 in.	17.25 x 16.14 x 1.73 in.	17.25 x 16.14 x 1.73 in.	17.24 x 22.13 x 3.46 in.	17.24 x 22.13 x 3.46 in.	17 x 28 x 3.5 in.	17.5 x 15.16 x 26.25 in.
Dimensions WxDxH (Metric)	210 x 209.5 x 42 mm	439 x 320 x 44 mm	439 x 320 x 44 mm	439 x 320 x 44 mm	438 x 410 x 44 mm	438 x 410 x 44 mm	438 x 562 x 88 mm	438 x 562 x 88 mm	431 x 710 x 88 mm	445 x 385 x 660 mm
Weight	2kg (4.4 lbs)	4kg (8.82 lbs)	7.5kg (16.53 lbs)	7.5kg (16.53 lbs)	7.6kg (16.76 lbs)	7.6kg (16.76 lbs)	23.4kg (51.6 lbs)	23.4kg (51.6 lbs)	26kg (57.4 lbs)	Max: 90kg (198.4 lbs)
Power										
Dual, Hot-Swappable Power Supplies	No	No	No	No	Optional	Optional	Yes	Yes	Yes	Yes ⁵
Power Input	100-240VAC, 47-63Hz									
Single Power Supply Rating	40W	100W	250W	250W	275W	275W	300W	400W	910W	1200W @ 110V, 1600W @ 220V
Power Consumption (Max)	35W	57W	90W	90W	140W	121W	132W	220W	449W	5000W
DC Option	No	No	No	Optional ⁶	Optional ⁶	Yes				

¹ With Security Acceleration Module

⁴ Per Security Gateway Module

² With memory upgrade and the GAIA OS

⁵ Includes 5 AC PSUs or 2 DC PSUs

³ Not including Security Switch Module Management Ports

⁶ Via a Solutions Center request

Appliance Specifications

VSX Appliances

	VSX 12200 Single Unit	VSX 12200 VSLs	VSX 12400 Single Unit	VSX 12400 VSLs	VSX 12600 Single Unit	VSX 12600 VSLs	VSX 21400 Single Unit	VSX 21400 VSLs
Performance								
Firewall Throughput (Gbps)	15	20	25	45	30	50	50	85
VPN Throughput (Gbps)	2.5	5	3.5	6	6	11	7	12
Concurrent Sessions (M)	1.2	1.6	1.2	1.6	1.2	1.6	1.2	1.6
Network								
10/100/1000Base-T Port / (Max)	8/16	16/32	10/26	20/52	14/26	28/52	13/37	26/74
1000Base-F SFP (Max Ports)	4	8	12	24	12	24	12	24
10GBase-F SFP+ (Max Ports)	4	8	12	24	12	24	12	24
Expansion Slot	1	2	3	6	3	6	3	6
VLANs	4096	4096	4096	4096	4096	4096	4096	4096
Additional Features								
Software Edition	VSX R67	VSX R67						
Storage	1 + 1 500 GB	2 x 1 + 1 500 GB	1 + 1 500 GB	2 x 1 + 1 500 GB	2 x 500 GB RAID 1	2 x 2 x 500 GB RAID 1	2 x 500 GB RAID 1	2 x 2 x 500 GB RAID 1
Memory Max	4/12 GB	2 x 4/12 GB	4/12 GB	2 x 4/12 GB	6/12 GB	2 x 6/12 GB	12/24 GB	2 x 12/24 GB
LOM Card	Included	Included						
Virtual Systems (Included/Capacity)	5/10	5/10	10/150	10/150	10/150	10/250	10/250	10/250
Physical								
Enclosure	1U	2U	2U	4U	2U	4U	2U	4U
Dimensions WxDxH (Standard)	17.25 x 16.14 x 1.73 in.	17.25 x 16.14 x 3.46 in.	17.25 x 22.13 x 3.46 in.	17.25 x 22.13 x 6.92 in.	17.24 x 22.13 x 3.46 in.	17.25 x 22.13 x 6.92 in.	17 x 28 x 3.5 in.	17 x 28 x 7 in.
Dimensions WxDxH (Metric)	438 x 410 x 44mm	438 x 410 x 88mm	438 x 562 x 88mm	438 x 562 x 176mm	438 x 562 x 88mm	438 x 562 x 176mm	431 x 710 x 88mm	431 x 710 x 176mm
Weight	7.6kg (16.76 lbs)	15.2kg (33.52 lbs)	23.4kg (51.6 lbs)	46.8kg (103.2 lbs)	23.4kg (51.6 lbs)	46.8kg (103.2 lbs)	26kg (57.4 lbs)	52kg (114.8 lbs)
Power								
Dual, Hot-Swappable Power Supplies	Optional	Optional	Yes	Yes	Yes	Yes	Yes	Yes
Power Input	100~240V, 47~63Hz							
Single Power Supply Rating	275W	275W	300W	300W	400W	400W	910W	910W
Power Consumption (Max)	121W	2 x 121W	132W	2 x 132W	220W	2 x 220W	449W	2 x 449W

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