CHECK POINT
5600 APPLIANCE

CHECK POINT 5600 APPLIANCE

Mid-size enterprise security

Product Benefits

- Enable the most advanced threat prevention security
- Optimal performance even when inspecting SSL encrypted traffic
- Future-proofed technology safeguards against tomorrow's risks
- Centralized control and LOM improves serviceability
- High performance package optimizes platform performance
- Modular, expandable chassis with flexible I/O options

Product Features

- Simple deployment and management
- Virtual Systems consolidates security onto one device
- One network expansion slots to add port density, fiber, 10 GbE and fail-open IO card options
- Redundant power supplies, fans and appliance clustering technologies eliminate single point of failure

OVERVIEW

The Check Point 5600 appliance combines the most comprehensive security protections to safeguard your mid-size enterprise. The 5600 is a 1U appliance with one I/O expansion slot for higher port capacity, redundant fans and a redundant power supply option, a 500 GB hard disk, and optional Lights-Out Management (LOM) for remote management. This powerful security appliance is optimized to deliver real-world threat prevention to secure your critical assets and environments.

COMPREHENSIVE THREAT PREVENTION

The rapid growth of malware, growing attacker sophistication and the rise of new unknown zero-day threats require a different approach to keep enterprise networks and data secure. Check Point delivers fully integrated, comprehensive Threat Prevention with award-winning SandBlast™ Threat Emulation and Threat Extraction for complete protection against the most sophisticated threats and zero-day vulnerabilities.

Production Environment Performance[1]	
SecurityPower™ Units (SPU)	950 SPU
Firewall throughput	17.5 Gbps
IPS throughput	1.9 Gbps
NGFW throughput (Firewall, Application Control, IPS)	1.18 Gbps
Threat prevention throughput[2]	540 Mbps
Ideal Testing Conditions Performance (RFC 3511, 2544, 2647, 1242)	
Firewall throughput, 1518 byte UDP	25 Gbps
Connections per second	185,000
Concurrent connections	3.2 to 6.4[3] million
VPN throughput, AES-128	6.5 Gbps
IPS throughput	7.8 Gbps
NGFW throughput (Firewall, Application Control, IPS)	5.8 Gbps

[1] Performance measured with real-world traffic blend and content, a typical rule base, updated recommended signatures, NAT and logging enabled, [2] FW, IPS, APPCTRL, AV, AB, URLF, [3] with maximum memory

ALL-INCLUSIVE SECURITY SOLUTIONS

Check Point 5600 Appliances offer a complete and consolidated security solution available in two complete packages:

- NGTP: prevent sophisticated cyber-threats with IPS, Application Control, Antivirus, Anti-Bot, URL Filtering and Email Security.
- NGTX: NGTP with SandBlast Zero-Day Protection, which includes Threat Emulation and Threat Extraction.

PREVENT KNOWN AND ZERO-DAY THREATS

The 5600 Appliance protects organizations from both known and unknown threats with Antivirus, Anti-Bot, SandBlast Threat Emulation (sandboxing), and SandBlast Threat Extraction technologies.

As part of the Check Point SandBlast Zero-Day Protection solution, the cloud-based Threat Emulation engine detects malware at the exploit phase, even before hackers can apply evasion techniques attempting to bypass the sandbox. Files are quickly quarantined and inspected, running in a virtual sandbox to discover malicious behavior before it enters your network. This innovative solution combines cloud-based CPU-level inspection and OS-level sandboxing to prevent infection from the most dangerous exploits, and zero-day and targeted attacks.

Furthermore, SandBlast Threat Extraction removes exploitable content, including active content and embedded objects, reconstructs files to eliminate potential threats, and promptly delivers sanitized content to users to maintain business flow.

	NGTP	NGTX
	Prevent known threats	Prevent known and zero-day attacks
Firewall	✔	✔
VPN (IPSec)	✔	✔
IPS	✔	✔
Application Control	✔	✔
Anti-Bot	✔	✔
Anti-Virus	✔	✔
URL Filtering	✔	✔
SandBlast Threat Emulation	✘	✔
SandBlast Threat Extraction	✘	✔

INSPECT ENCRYPTED CONNECTIONS

There is a shift towards more use of HTTPS, SSL and TLS encryption to increase Internet security. At the same time files delivered into the organization over SSL and TLS represent a stealthy attack vector that bypasses traditional security implementations. Check Point Threat Prevention looks inside encrypted SSL and TLS tunnels to detect threats, ensuring users remain in compliance with company policies while surfing the Internet and using corporate data.

INCLUSIVE HIGH PERFORMANCE PACKAGE

Customers with high connection capacity requirements can purchase the affordable High Performance Package (HPP). This includes the appliance plus one 4x 1Gb SFP interface card, transceivers, redundant power supplies, Lights-Out-Management and 16 GB of memory for high connection capacity.

	Base	HPP	Max
1 GbE ports (Copper)	10	10	18
1 GbE ports (Fiber)	0	4	4
10 GbE ports (Fiber)	0	0	4
Transceivers (SR)	0	4	4
RAM	8GB	16GB	16GB
Power Supply Units	1	2	2
Lights Out Management	Optional	Included	Included

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.

10 GbE CONNECTIVITY

High speed connections are essential in modern enterprise and data center environments, especially those with high-density virtualized servers. If you're ready to move from 1 to 10 GbE, so is the 5600 Appliance. The Check Point 5600 lets you connect your 1 GbE server uplinks to your 10 GbE core network with up to 4x 10 GbE ports.

TAP THE POWER OF VIRTUALIZATION

Check Point Virtual Systems enable organizations to consolidate infrastructure by creating multiple virtualized security gateways on a single hardware device, offering significant cost savings with seamless security and infrastructure consolidation.

5600 SECURITY APPLIANCE

1. Sync 10/100/1000Base-T RJ45 port
2. RJ45/micro USB console port
3. One network card expansion slot (HPP)
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
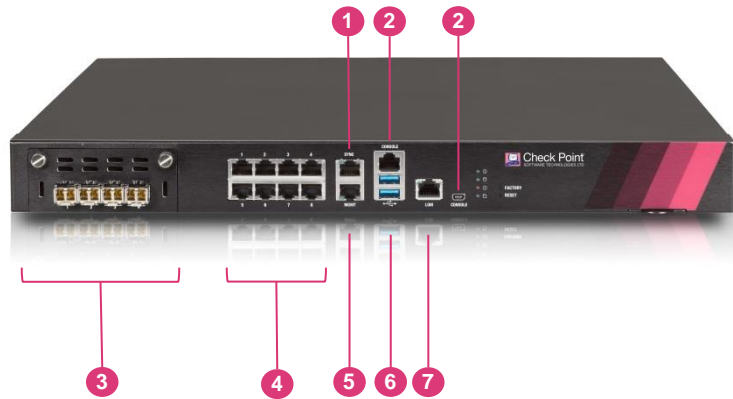
ORDERING INFORMATION

BASE CONFIGURATION [1]	
5600 Next-Gen Threat Prevention bundled with local management for up to 2 gateways	CPAP-SG5600-NGTP
5600 Next-Gen Threat Extraction bundled with local management for up to 2 gateways	CPAP-SG5600-NGTX
HIGH PERFORMANCE PACKAGES [1]	
5600 Next-Gen Threat Prevention High Performance Package with 4x1GbE SFP ports, 4xSR 1GB transceivers, second power supply, Lights-Out-Management and 16GB of memory	CPAP-SG5600-NGTP-HPP
5600 Next-Gen Threat Extraction High Performance Package with 4x1GbE SFP ports, 4xSR 1GB transceivers, second power supply, Lights-Out-Management and 16 GB of memory	CPAP-SG5600-NGTX-HPP
VIRTUAL SYSTEM PACKAGES [1]	
5600 NGTP appliance with High Performance Package and 5 Virtual Systems	CPAP-SG5600-NGTP-HPP-VS5
Two 5600 NGTP appliances with High Performance Pack and 5 Virtual Systems	CPAP-SG5600-NGTP-HPP-VS5-2
5600 NGTX appliance with High Performance Package and 5 Virtual Systems	CPAP-SG5600-NGTX-HPP-VS5
Two 5600 NGTX appliances with High Performance Package and 5 Virtual Systems	CPAP-SG5600-NGTX-HPP-VS5-2

[1] SKUs for 2 and 3 years and for High Availability are available, see the online Product Catalog

ACCESSORIES

INTERFACE CARDS AND TRANSCEIVERS	
8 Port 10/100/1000 Base-T RJ45 interface card	CPAC-8-1C-B
4 Port 1000Base-F SFP interface card; requires additional 1000Base SFP transceivers	CPAC-4-1F-B
SFP transceiver module for 1G fiber ports - long range (1000Base-LX)	CPAC-TR-1LX-B
SFP transceiver module for 1G fiber ports - short range (1000Base-SX)	CPAC-TR-1SX-B
SFP transceiver to 1000 Base-T RJ45 (Copper)	CPAC-TR-1T-B
4 Port 10GBase-F SFP+ interface card	CPAC-4-10F-B
SFP+ transceiver module for 10G fiber ports - long range (10GBase-LR)	CPAC-TR-10LR-B
SFP+ transceiver module for 10G fiber ports - short range (10GBase-SR)	CPAC-TR-10SR-B
4 Port 1GE copper Bypass (Fail-Open) network interface card (10/100/1000 Base-T)	CPAC-4-1C-BP-B
2 Port 10GE short-range Fiber Bypass (Fail-Open) network interface card (10GBase-SR)	CPAC-2-10FSR-BP-B

SPARES AND MISCELLANEOUS	
Memory upgrade kit from 8GB to 16GB for 5600 appliance	CPAC-RAM8GB-5000
Additional/Replacement AC Power Supply for 5600 and 5800 appliances	CPAC-PSU-5600/5800
Lights Out Management module	CPAC-LOM-B
Slide rails for 5000 Appliances (22" - 32")	CPAC-RAIL-5000
Extended slide rails for 5000 Appliances (26" - 36")	CPAC-RAIL-EXT-5000

5600 SECURITY APPLIANCE

1 Redundant power supplies (HPP option)

2 Cooling fans
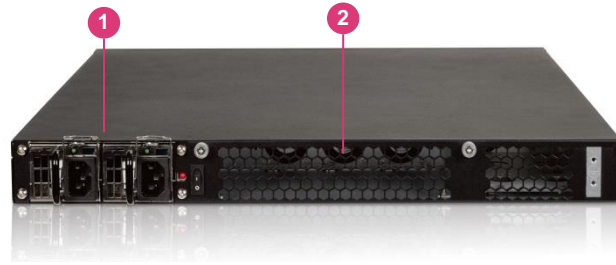
Expansion Options

Base Configuration

- 10 on-board 10/100/1000Base-T RJ-45 ports
- 8 GB memory (16 GB option)
- 1 power supply (2 redundant PSU option)
- 1x 500 GB hard drive
- Fixed rails (slide rail option)
- (Lights-Out-Management (LOM) option)

Network Expansion Slot Options (1 slot available)

- 8x 10/100/1000Base-T RJ45 port card, up to 18 ports
- 4x 1000Base-F SFP port card, up to 8 ports
- 4x 10GBase-F SFP+ port card, up to 8 ports

Fail-Open/Bypass Network Options

- 4x 10/100/1000Base-T RJ45 port card
- 2x 10GBase-F SFP+ port card

Virtual Systems [1]

- Maximum (base/HPP): 10/20

[1] with the memory available in the base or HPP

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 synchronization for firewall and VPN
- Session failover for routing change
- Device and link failure detection
- ClusterXL or VRRP

Network (continued)

IPv6

- Features: Firewall, Identity Awareness, Mobile Access, App Control, URL Filtering, IPS, Anti-Bot, Antivirus
- NAT66, NAT64
- 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

- AC Input Voltage: 90-264V
- Frequency: 47-63Hz
- Single Power Supply Rating: 275W
- Power Consumption Maximum: 103W
- Maximum thermal output: 351.5 BTU/hr.

Dimensions

- Enclosure: 1RU
- Standard (W x D x H): 17.24 x 20 x 1.73 in.
- Metric (W x D x H): 437.9 x 508 x 44 mm
- Weight: 7.95 kg (17.53 lbs.)

Operating Environmental Conditions

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

Storage Conditions

- Temperature: –4° to 158°F / –20° to 70°C
- Humidity: 5% to 95% at 60°C (non-condensing)

Certifications

- Safety: UL60950-1, CB IEC60950-1, CE LVD EN60950-1, TUV GS
- Emissions: FCC, CE, VCCI, RCM/C-Tick
- Environmental: RoHS, *REACH, *ISO14001

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