

5400 SECURITY GATEWAY



Check Point's 5400 Next Generation Firewall offers a fully integrated, unified solution tuned to deliver maximum security against 5th generation threats without compromising performance. 5400 Security Gateway provides the most advanced threat prevention security for demanding enterprise networks.



The Most Advanced Threat Prevention

Equipped with our SandBlast technology, protecting against unknown threats and zero-day attacks



Full Security, Uncompromising Performance

Highly optimized with up to 1.745 Gbps of threat prevention throughput



Designed to Secure Encrypted Traffic

Powerful platforms for inspection of SSL traffic

PERFORMANCE HIGHLIGHTS

Gen II Security: Firewall	Gen III Security: NGFW ¹	Gen V Security: Threat Prevention + SandBlast ²
20 Gbps	3.4 Gbps	1.745 Gbps

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.

WELCOME TO THE FUTURE OF CYBER SECURITY

5400

Enterprise-grade security, performance and reliability

The Check Point 5400 Next Generation Security Gateway combines the most comprehensive security protections to safeguard your small enterprise.

The 5400 is a 1U Next Generation Security Gateway with one I/O expansion slot for higher port capacity, an AC or DC power supply, 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	1 st time prevention of known and zero-day threats
Uncompromising Performance	Achieve up to 1.745 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

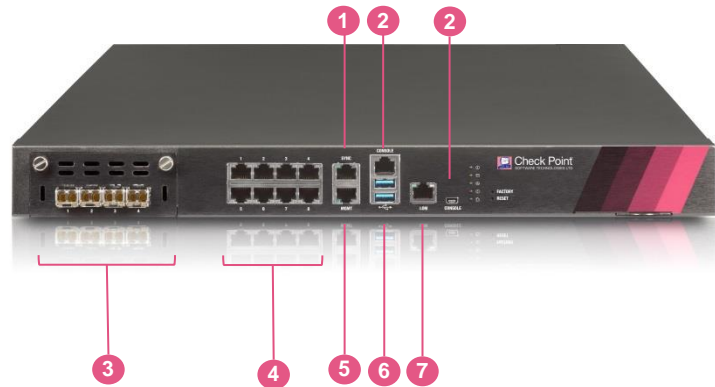
CONSOLIDATED MANAGEMENT

Single management,
modular policy management
and integrated threat
visibility

SPOTLIGHT

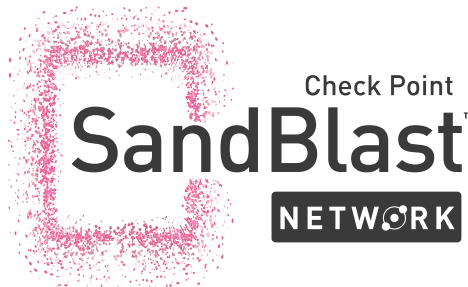
5400 SECURITY GATEWAY

- 1 Sync 10/100/1000Base-T RJ45 port
- 2 RJ45/micro USB console port
- 3 One network card expansion slot
- 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



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.



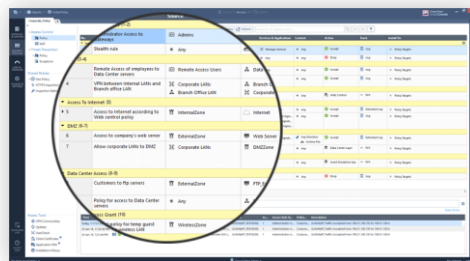
All-inclusive Security Solutions

Check Point 5400 Next Generation Security Gateway offers a complete and consolidated security solution available in two complete packages:

- ❖ Threat Prevention
- ❖ Threat Prevention + SandBlast

Integrated Security Management

5400 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

		1 GbE (copper)	1 GbE (fiber)	Memory	LOM
5400	Base	10	0	8 GB	○
	HPP	10	4	16 GB	●
	Max	18	4	32 GB	●

○ this is optional

WELCOME TO THE FUTURE OF CYBER SECURITY

Performance

Ideal Testing Conditions

- 20 Gbps of UDP 1518 byte packet firewall throughput
- 3.9 Gbps IPS
- 3.4 Gbps of NGFW¹
- 1.745 Gbps of Threat Prevention²
- 2.16 Gbps of AES-128 VPN throughput
- 150,000 connections per second, 64 byte response³
- 3.2/6.4/12.8M concurrent connections, 64 byte response³

Enterprise Testing Conditions

- 11.4 Gbps of firewall throughput³
- 3.9 Gbps IPS
- 3.4 Gbps of NGFW¹
- 980 Mbps of Threat Prevention²

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, 2x physical cores (total)
- 1x 1TB HDD or 240GB SSD storage
- 8, 16 and 32 GB memory options
- 1x AC or DC power supply
- Lights-Out-Management card is optional
- Virtual Systems (base/HPP/max mem): 10/20/20

Network Expansion Slot Options (1 of 1 slots open)

- 8x 10/100/1000Base-T RJ45 port card, up to 18 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 8.000+ pre-defined or customize your own applications
- Accept, prevent, schedule, and apply traffic-shaping

Data Loss Prevention

- Classify 700+ 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/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: 250W
- AC power input: 90 to 264V (47-63Hz)
- Power consumption max: 76.5W
- Maximum thermal output: 261 BTU/hr.

Dimensions

- Enclosure: 1RU
- Dimensions (WxDxH): 17.2x16x1.73 in. (438x406.5x44mm)
- Weight: 14 lbs. (6.37 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, REACH¹, ISO14001¹

¹. factory certificate

WELCOME TO THE FUTURE OF CYBER SECURITY

ORDERING 5400 SECURITY GATEWAYS

BASE CONFIGURATION ¹	SKU
5400 Next Generation Security Gateway Base Configuration, includes 10x1GbE copper ports, 8GB RAM, 1 HDD, 1 AC Power Unit, Next Generation Threat Prevention (NGTP) Security Subscription Package for 1 Year	CPAP-SG5400-NGTP
5400 SandBlast Next Generation Security Gateway Base Configuration, includes 10x1GbE copper ports, 8GB RAM, 1 HDD, 1 AC Power Unit, SandBlast (NGTX) Security Subscription Package for 1 Year	CPAP-SG5400-NGTX
HPP CONFIGURATION ¹	SKU
5400 Next Generation Security Gateway with High Performance Package, includes 10x1GbE 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	CPAP-SG5400-NGTP-HPP
5400 Next Generation Security Gateway with High Performance Package, includes 10x1GbE 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	CPAP-SG5400-NGTX-HPP

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 1GE copper Bypass (Fail-Open) network interface card (10/100/1000 Base-T)	CPAC-4-1C-BP-B
MEMORY	SKU
Memory upgrade kit from 8GB to 16GB for 5400 appliance	CPAC-RAM8GB-5000
Memory upgrade kit from 8GB to 32GB for 5400 appliance	CPAC-RAM24GB-5000
Memory upgrade kit from 16GB to 32GB for 5400 appliance	CPAC-RAM16GB-5000
SPARES AND MISCELLANEOUS	SKU
Lights Out Management module	CPAC-LOM-B
Slide rails for 5000 Appliances (22" - 32")	CPAC-RAILS-5000
Extended slide rails for 5000 Appliances (24" - 36")	CPAC-RAILS-EXT-5000

¹ 2 and 3 year, Virtual Systems packages and DC power options also available in the online product catalog