CHECK POINT
5200 APPLIANCE

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Small enterprise and branch office 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
- Secure remote access to corporate resources from a wide variety of devices
- One network expansion slot to add port density, fiber and fail-open IO card options
- Redundant appliance clustering technologies eliminate a single point of failure

OVERVIEW

The Check Point 5200 Appliance combines the most comprehensive security protections to safeguard your small enterprise and branch office deployments. The 5200 is a 1U appliance with one I/O expansion slot for higher port capacity, 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)	425 SPU
Firewall throughput	5.3 Gbps
IPS throughput	810 Mbps
NGFW throughput (Firewall, Application Control, IPS)	520 Mbps
Threat prevention throughput[2]	250 Mbps
Ideal Testing Conditions Performance (RFC 3511, 2544, 2647, 1242)	
Firewall throughput, 1518 byte UDP	16 Gbps
Connections per second	125,000
Concurrent connections	3.2 to 6.4[3] million
VPN throughput, AES-128	1.88 Gbps
IPS throughput	3 Gbps
NGFW throughput (Firewall, Application Control, IPS)	2.7 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 5200 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 5200 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 and Lights-Out-Management.

	Base	HPP	Max
1 GbE ports (Copper)	6	6	14
1 GbE ports (Fiber)	0	4	4
Transceivers (SR)	0	4	4
RAM	8GB	8GB	16GB
Power Supply Units	1	1	1
Lights Out Management	Optional	Included	Included

REMOTE MANAGEMENT AND MONITORING

An optional 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.

SECURE REMOTE ACCESS

Each Check Point appliance is configured with mobile access connectivity for up to 5 users, using the Mobile Access Blade. This license provides secure remote access to corporate resources from a wide variety of devices including smartphones, tablets, PCs, Mac and Linux.

INTEGRATED SECURITY MANAGEMENT

Every Check Point 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 deployments.

5200 SECURITY APPLIANCE

1. Management 10/100/1000Base-T RJ45 port
2. RJ45/micro USB console port
3. One network card expansion slot (HPP)
4. 5x 10/100/1000Base-T RJ45 ports
5. 2x USB ports for ISO installation
6. Lights-Out Management port
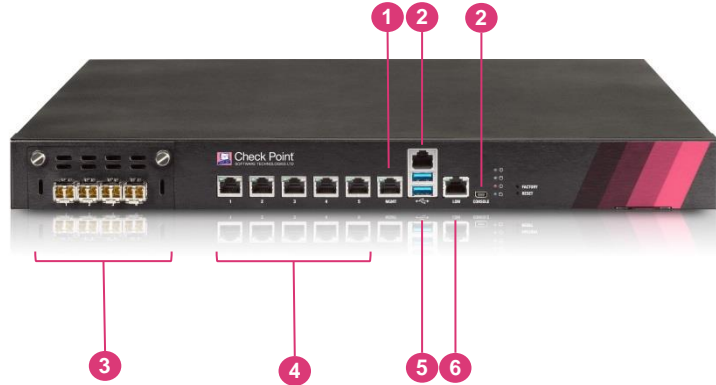
ORDERING INFORMATION

BASE CONFIGURATION [1]	
5200 Next-Gen Threat Prevention bundled with local management for up to 2 gateways	CPAP-SG5200-NGTP
5200 Next-Gen Threat Extraction bundled with local management for up to 2 gateways	CPAP-SG5200-NGTX

HIGH PERFORMANCE PACKAGES [1]	
5200 Next-Gen Threat Prevention High Performance Package with 4x1GbE SFP ports, 4xSR transceivers and Lights-Out-Management	CPAP-SG5200-NGTP-HPP
5200 Next-Gen Threat Extraction High Performance Package with 4x1GbE SFP ports, 4xSR transceivers and Lights-Out-Management	CPAP-SG5200-NGTX-HPP

[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 1GE copper Bypass (Fail-Open) network interface card (10/100/1000 Base-T)	CPAC-4-1C-BP-B

SPARES AND MISCELLANEOUS	
Memory upgrade kit from 8GB to 16GB for 5200 appliance	CPAC-RAM8GB-5000
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

5200 SECURITY APPLIANCE

1 Power supply
2 Cooling fans

Expansion Options

Base Configuration

- 6 on-board 10/100/1000Base-T RJ-45 ports
- 8 GB memory (16 GB option)
- 1 power supply
- 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 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

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

IPv6

- Features: Firewall, Identity Awareness, Mobile Access, App Control, URL Filtering, IPS, Anti-Bot, Antivirus
- NAT66, NAT64
- CoreXL, SecureXL, HA with VRRPv3

Routing

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: 250W
- Power Consumption Maximum: 62.9W
- Maximum thermal output: 214.6 BTU/hr.

Dimensions

- Enclosure: 1RU
- Standard (W x D x H): 17.24 x 16 x 1.73 in.
- Metric (W x D x H): 438 x 406.5 x 44 mm
- Weight: 6.22 kg (13.7 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