![Check Point Software Technologies Ltd. logo]

WELCOME TO THE FUTURE OF CYBER SECURITY

23900 SECURITY GATEWAY

Ready to battle any threat, from small to the fifth generation large scale and multi-vector attacks, our security gateways provide superior threat prevention and a unified security management. Check Point 23900 Next Generation Firewall combines the most comprehensive protections with data center-grade security and hardware to maximize uptime and performance for securing large enterprise and data center environments.

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 22.7 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]
23900	128 Gbps	27 Gbps	22.7 Gbps

Performance measured under ideal testing conditions. Additional performance details on page 4. 1. Includes Firewall, Application Control, and IPS Software Blades. 2. Includes Firewall, Application Control, URL Filtering, IPS, Antivirus, Anti-Bot and SandBlast Zero-Day Protection Software Blades using R80.10.

Check Point
SOFTWARE TECHNOLOGIES LTD.

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23900

Data center grade security, performance and reliability

The Check Point 23900 Next Generation Security Gateway combines the most comprehensive security protections with data center grade hardware to maximize uptime while safeguarding enterprise and data center networks.

The 23900 is a 2U Next Generation Security Gateways with five I/O expansion slots for high port capacity, redundant AC or DC power supplies and fans, a 2x 1TB (HDD) or 2x 480GB (SSD) RAID1 disk array, and Lights-Out Management (LOM) for remote management. If you're ready for 25, 40 or 100 GbE, so is the 23900 Next Generation Security Gateway - with its 40 and 100/25 GbE IO card options.

Key Features & Benefits

Advanced Threat Prevention …….   1st time prevention of known and zero-day threats

Uncompromising Performance ….   Achieve up to 22.7 Gbps of threat prevention throughput

Secure Encrypted Traffic ………...   Consolidate SSL inspection into one integrated security platform

CHECK POINT
INFINITY

THE CYBER SECURITY ARCHITECTURE OF THE FUTURE

Data Center and High-End 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

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SPOTLIGHT

23900 SECURITY GATEWAY

1. Graphic LCD display
2. 2 x 1TB (HDD) or 2x 480GB (SSD) RAID1
3. Five network card expansion slots
4. USB ports for ISO installation
5. Console port
6. Lights-Out Management port
7. Sync 10/100/1000Base-T RJ45
8. Management 10/100/1000Base-T RJ45

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.

Check Point
SandBlast™
NETWORK
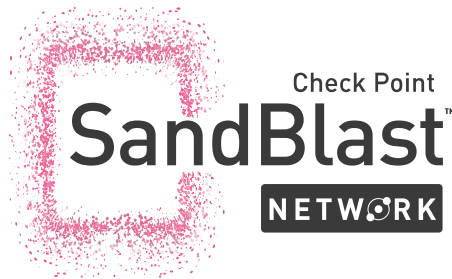
All-inclusive Security Solutions
Check Point 23900 Next Generation Security Gateway offers a complete and consolidated security solution available in two complete packages:

• Threat Prevention
• Threat Prevention & SandBlast

Inclusive High Performance Package
Purchase the affordable High Performance Package (HPP). This includes the base system plus two 4x 10GbE SFP+ interface cards, transceivers and added memory for high connection capacity.

100, 40 and 25 GbE Connectivity
If you're ready to move from 10 to 25, 40 or 100 GbE, so is the 23900 Next Generation Security Gateway. The 23900 Security Gateway lest you connect your 10 GbE server uplinks to your core network.

DATA CENTER GRADE PLATFORM

		1 GbE	10 GbE	40 GbE	100/25 GbE	Memory	Redundant Storage	Redundant Power	LOM
23900	Base	10	2	0	0	48 GB	●	●	●
	HPP	10	10	0	0	64 GB	●	●	●
	Max	42	20	4	4	128 GB	●	●	●

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Specifications	23900
Ideal Testing Conditions	
Firewall 1518 Byte UDP Packets (Gbps)	128
IPS Throughput (Gbps)	30
NGFW Throughput (Gbps) [1]	27
Threat Prevention (Gbps) [2]	22.7
VPN AES-128 Throughput (Gbps)	26
Connections per Second	200,000
Concurrent Connections (M) [3]	18.3/25.6/51.2
Enterprise Testing Conditions	
Firewall Throughput (Gbps)	77.9
IPS Throughput (Gbps)	22.8
NGFW Throughput (Gbps) [1]	21
Threat Prevention (Gbps) [2]	13.5
Additional Features	
CPUs/physical cores/virtual cores (total)	2/36/72
Storage	2x 1TB HDD or 480GB SSD RAID1
Memory Options	48, 64, 128
LOM Card	Included
Virtual Systems (base/HPP/max mem)	125/250/250
File Inspection Capabilities	
First Time Prevention	Yes
File Disarm and Reconstruction	Yes (Threat Extraction)
Average emulation time for unknown files that require full sandbox evaluation	Under 100 Seconds
Maximal File Size for Emulation	100 MB
Emulation OS Support	Windows XP, 7, 8.1, 10
Network	
Expansion Slot	5
Connectivity types supported	100 GbE, 40 GbE, 25 GbE, 10 GbE, 1 GbE (copper / fiber)
Fail-Open/Bypass NIC Option	Yes
Physical	
Enclosure	2U
Dimensions (W x D x H)	17.4x20.8x3.5 in. (442x529x88 mm)
Weight	15.8kg (34.8 lbs)
Power	
Dual, Hot-Swappable PSU	AC or DC
Power Input	110-240VAC (47-63Hz); -40.5VDC/24A -48VDC/19.2A, -60VDC/16.0A
Single Power Supply Rating	800W
Power Consumption (avg/max)	AC253/399W, DC343.6/394W
Environment Conditions	
Operating Environment	0° to 40°C, humidity 5% to 95%
Storage Environment	−20° to 70°C, humidity 5% to 95% at 60°C
Certifications	
Safety/Emissions/Environment	UL, CB, CE, TUV GS / FCC, CE, VCCI, RCM/C-Tick / RoHS, WEEE, REACH, ISO14001

1. Includes Firewall, Application Control and IPS Software Blades. 2. Includes Firewall, Application Control, URL Filtering, IPS, Antivirus, Anti-Bot and SandBlast Zero-Day Protection Software Blades using R80.10. 3. Performance measured with default/HPP/maximum memory

WELCOME TO THE FUTURE OF CYBER SECURITY

ORDERING 23900 SECURITY GATEWAYS

BASE CONFIGURATION [1]	SKU
23900 Next Generation Security Gateway Base Configuration, includes 10x1GbE copper ports, 2 10GbE SFP+ ports + 2 SR transceivers, 48GB RAM, 2 HDD, 2 AC Power Units, Lights Out Management (LOM), Next Generation Threat Prevention (NGTP) Security Subscription Package for 1 Year.	CPAP-SG23900-NGTP
23900 SandBlast Next Generation Security Gateway Base Configuration, includes 10x1GbE copper ports, 2 10GbE SFP+ ports + 2 SR transceivers, 48GB RAM, 2 HDD, 2 AC Power Units, Lights Out Management (LOM), SandBlast (NGTX) Security Subscription Package for 1 Year	CPAP-SG23900-NGTX
HPP CONFIGURATION [1]	SKU
23900 Next Generation Security Gateway with High Performance Package, includes10x1GbE copper ports, 10x10Gb SFP+ ports, 10 SR transceivers, 64 GB RAM, 2 HDD, 2 AC Power Units, Lights Out Management (LOM), Next Generation Threat Prevention (NGTP) Security Subscription Package for 1 Year	CPAP-SG23900-NGTP-HPP
23900 Next Generation Security Gateway with High Performance Package, includes10x1GbE copper ports, 10x10Gb SFP+ ports, 10 SR transceivers, 64 GB RAM, 2 HDD, 2 AC Power Units, Lights Out Management (LOM), Next Generation Threat Extraction (SandBlast) Security Subscription Package for 1 Year	CPAP-SG23900-NGTX-HPP
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
2 Port 40G QSFP+ interface card	CPAC-2-40F-B
QSFP+ transceiver module for 40G fiber ports - short range (40GBase-SR)	CPAC-TR-40SR-QSFP-300m
QSFP+ transceiver module for 40G fiber ports - long range (40GBase-LR)	CPAC-TR-40LR-QSFP-10K
Bi-directional QSFP+ transceiver for 40G fiber ports - short range (40GBase-SR-BiDi)	CPAC-TR-40SR-QSFP-BiDi
2 Port 100/25G QSFP28 interface card	CPAC-2-100/25F-B
SFP28 transceiver module for 25G fiber ports with QSFP28 adaptor - short range (25GBase-SR)	CPAC-TR-25SR-ADP-B
SFP28 transceiver module for 25G fiber ports with QSFP28 adaptor - long range (25GBase-LR)	CPAC-TR-25LR-ADP-B
QSFP28 transceiver module for 100G fiber ports - short range (100GBase-SR4)	CPAC-TR-100SR-B
QSFP28 transceiver module for 100G fiber ports - long range (100GBase-LR4)	CPAC-TR-100LR-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-2-10-FSR-B-BP
MEMORY	SKU
Memory upgrade kit from 48GB to 64GB for 23900 appliance	CPAC-RAM16GB-23900
Memory upgrade kit from 48GB to 128GB for 23900 appliance	CPAC-RAM80GB-23900
Memory upgrade kit from 64GB to 128GB for 23900 appliance	CPAC-RAM64GB-23900
SPARES AND MISCELLANEOUS	SKU
Additional/Replacement 1 TB hard drive for 15000 and 23000 appliances	CPAC-HDD-1TB-B
Replacement AC power supply for 23000 appliances	CPAC-PSU-AC-23000
Dual DC power supplies for 15000 and 23000 appliances	CPAC-PSU-DC-Dual-15000/23000
Replacement fan cartridge for 15000 and 23000 appliances	CPAC-FAN-B
Slide rails for 15000 and 23000 Appliances (22" - 32")	CPAC-RAIL-L
Extended slide rails for 15000 and 23000 Appliances (24" - 36")	CPAC-RAIL-EXT-L

[1] 2 and 3 year and Virtual Systems packages also available in the online product catalog

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