CHECK POINT
SMART-1™ MANAGEMENT APPLIANCES

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Optimized management of Check Point security on a dedicated, high-performance appliance

Product Benefits

- Maintains business continuity with quick deployments
- Consolidates policy, log and event management into one appliance
- Predictability for memory and storage capacities
- Instant visibility into millions of log records
- Robust log storage for historical investigations

Product Features

- Centrally manage 5 to 5000 security gateways
- Manage up to 200 independent security domains
- Up to 24TB internal storage
- Up to 44,000 logs per second with real-time indexing for immediate search results
- Redundant, hot-swappable power supplies, fans and hard drives for high availability

INSIGHTS

Managing security is becoming more complex as corporate boundaries extend to include roaming users, mobile devices and cloud environments. To manage security in this changing landscape efficiently, organizations need a security management solution that can centrally handle all security functions and deal with large volumes of mixed traffic data.

SOLUTION

Check Point's SMART-1 appliances consolidate security policy, log and event management into a single dedicated management appliance. SMART-1 appliances scale to fit your needs today, with the ability to adapt to future requirements. Organizations of all sizes can leverage SMART-1 to manage from 5 to 5000 gateways within their network, and accelerate time to deployment for their security infrastructures.

Further improve security and control by utilizing SMART-1 appliances with multi-domain management, segmenting the network into as many as 200 independent domains by geography and business use.

SMART-1 appliances efficiently manage and analyze security logs and events in real-time. By implementing SMART-1, organizations gain centralized visibility into millions of logs, get visual indication of risks and can quickly investigate potential threats.

3150 Example Diagram

1. Redundant hot-swappable hard drives
2. LCD display
3. USB ports
4. LOM (Out-of-band Management) port
5. Console port
6. Four 1 GbE ports
7. Optional Fiber Channel SAN card
8. Extended Optional NICs
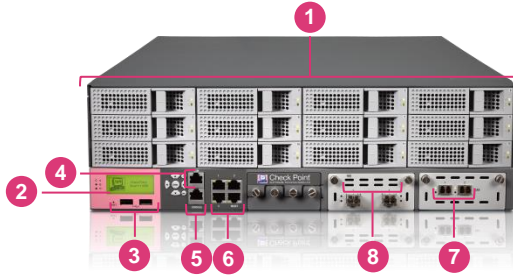
OPTIMIZED FOR SECURITY MANAGEMENT

SMART-1 appliances provide the full functionality of Check Point's Security Management Architecture (SMART) platform hosted on hardware appliances optimized for performance and scalability.

Define and monitor security policies across multiple security functions including firewall, VPN, IPS, Anti-Virus, Anti-Bot, Threat Emulation, Threat Extraction, DLP, URL Filtering and Application Control.

View logs and trends, track events, monitor activity, generate reports, and distribute software and signature updates with centralized security management from SMART-1 appliances.

ENTEPRISE-READY SCALABILITY

We offer a wide range of appliances suited for any size enterprise from 5 gateways to 5000 gateways.

	205	210	225	3050	3150
Managed Gateways	5	10	25	50	150+

SMART-1 appliances include up to 24TB of built-in storage as well as high-performance fiber channel connectivity to Storage Area Networks (SANs) for external storage.

Starting with a single 1TB or 2TB disk drive and expanding up to 12X2TB disk drives, it provides storage capabilities that grow with your environment.

RELIABILITY AND HIGH AVAILABILITY

SMART-1 appliances support Lights-Out Management (Out-of-Band Management) allowing off-network monitoring and control of the appliance, including device maintenance and administration. Several add-on options include a fiber channel SAN module, redundant and hot swappable power supplies and hard drives, for a high degree of availability.

You will also receive a wide variety of network interfaces. Built-in 1GbE copper interfaces and optional 1GbE or 10GbE copper or fiber interfaces allow for flexible network connectivity. The optional SAN interfaces enable integration with high performance fiber channel networks for backup, disaster recovery and regulatory requirements.

MULTI-DOMAIN MANAGEMENT

Easily create up to 200 domains based on geography, business unit or security functions with Multi-Domain Management. These appliances with Multi-Domain Log Management host log files in segregated domains, improving performance by isolating log traffic from management traffic.

REAL-TIME THREAT DETECTION

Get real-time visibility into security risk based on data collected from Check Point enforcement points. Administrators can easily move from a high level view to detailed analysis of events with our SMART-1 appliances. Customizable views and reports allow organizations to monitor critical services and keep key stakeholders informed of security trends affecting the organization.

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PRODUCT SPECIFICATIONS

Appliances	Enterprise Grade			Ultra High End	
	205	210	225	3050	3150
Policy & Log Performance					
Managed Gateways	5	10	25	50	150+ [1]
Maximum Domains (Multi-Domain Management)	-	-	-	50	200
Indexed Logs/Sec [3]	3,000	5,000	11,000	26,000 [2]	44,000 [2]
SmartEvent NGSE Performance					
Events per day [4]	350,000	650,000	1,300,000 [3]	4,000,000 [3]	10,000,000 [3]
Log size per day (GB) [5]	3.5	6.5	13	40	100
Number of users [5]	900	1,600	3,000	10,000	25,000
Hardware Specifications					
Storage (HDD)	1 x 1 TB	1 x 2 TB	2 x 2 TB	4 x 2 TB	up to 12 x 2TB [6] (default 6 x 2TB)
RAID Type	-	-	1	5, 10	5, 6, 10, 50, 60 (default 6/60 for 6/12 HDD)
Storage (SSD)	-	-	-	-	2 slots (Future option)
Memory Extension (RAM)	default 4GB	default 8GB	up to 32GB (default 16GB)	up to 256GB (default 32GB)	up to 256GB (default 64GB)
Interfaces					
Built-in Network Interfaces	4xCopper GbE	4xCopper GbE	4xCopper GbE	4xCopper GbE	4xCopper GbE
Extended Network Interfaces	-	-	-	Variety of optional 1GbE and 10GbE network interface cards [7]	Variety of optional 1GbE and 10GbE network interface cards [7]
Fiber Channel SAN Card	-	-	Optional [8]	Optional	Optional
Management (Console Port)	1xRJ45	1xRJ45	1xRJ45	1xRJ45	1xRJ45
Out-of-band Management (LOM)	-	-	1xGbE Port	1xGbE Port	1xGbE Port
USB Ports	2	2	2	2	2

1 Managing up to 5000 Check Point 1100 Appliances
2 In Multi-Domain configuration
3 Assuming extended RAM is installed:
- Smart-1 225 - 32GB RAM
- Smart-1 3050 – 128 GB
- Smart-1 3150 – 256 GB
4 Use the SmartEvent Sizing Tool (sk98767) to estimate the number of events per day.

5 Refer to these numbers for rough estimation, if you cannot use the SmartEvent Sizing Tool.
6 Up to net 16TB disk space is available for log storage
7 Share network interface cards with Check Point 4000/12000 gateway appliances
8 Smart-1 225 can be ordered with or without SAN card. The SAN card cannot be ordered separately for the Smart-1 225

PRODUCT SPECIFICATIONS (CONTINUED)

Additional Features					
Management HA	Included	Included	Included	Included	Included
LCD Display	✔	✔	✔	✔	✔
Smart 1 Appliances	**205**	**210**	**225**	**3050**	**3150**
Secure OS	Pre-hardened, optimized operating system				
Web-based Administration	Enables quick, easy and secure administration from anywhere in the network				
Backup and Restore	For disaster recovery planning				
Physical					
Enclosure	1U	1U	1U	2U	3U
Dimensions – Standard (W x D x H)	16.97 x 11.52 x 1.73 in.	16.97 x 10.89 x 1.73 in.	17.4 x 21.77 x 1.73 in.	17.4 x 23.66 x 3.5 in.	17.4 x 24.85 x 5.2 in.
Dimensions - Metric (W x D x H)	431 x 292.5 x 44 mm	431 x 292.5 x 44 mm	442 x 553 x 44 mm	442 x 601 x 87.8 mm	442 x 631.1 x 132 mm
Weight	7kg (15.43 lbs.)	7kg (15.43 lbs.)	10kg (22.04 lbs.)	25kg (55.12lbs.)	32kg (70.55 lbs.)
Power					
Dual, Hot-Swappable Power Supplies	No	No	Yes	Yes	Yes
Power Input	AC 100 ~ 240V @ 50 ~ 60Hz				
Power Supply Spec (max)	150W	150W	2 x 275W	2 x 600W	2x800W
Environment Conditions					
Operating Environment Range	Temperature: 32o to 104o F / 0o to 40o C Humidity: 5~90% (non-condensing)				
Storage Environment Range	Temperature: -40o to 158o F / -40o to 70o C Humidity: 5~95% (non-condensing)-				
Certifications					
Safety	UL				
Emissions	CE, FCC Class A				
Environment	RoHS				

SOFTWARE PACKAGES

Physical					
Network Policy Management	✔	✔	✔	✔	✔
Endpoint Policy Management	✔	✔	✔	✔	✔
Logging and Status	✔	✔	✔	✔	✔
Compliance[1]	✔	✔	✔	✔	✔
SmartProvisioning	✔	✔	✔	✔	✔
Monitoring	O	O	✔	✔	✔
User Directory	O	O	✔	✔	✔
Management Portal	O	O	O	✔	✔
SmartWorkflow	O	O	O	O	O
SmartEvent1	✔	✔	✔	✔[2]	✔[2]
SmartReporter1	✔	✔	✔	✔[2]	✔[2]

✔—Included O—Optional
1 Includes SmartEvent, SmartReporter and Compliance license for 1 year
2 Not supported with multi-domain on the same appliance

ORDERING APPLIANCES

Smart-1 Appliances[1]	SKU
Smart-1 205 Appliance with Policy, Log & Event Security Management for 5 Security Gateways	CPAP-SM205
Smart-1 210 Appliance with Policy, Log & Event Security Management for 10 Security Gateways	CPAP-SM210
Smart-1 225 Appliance with Policy, Log & Event Security Management for 25 Security Gateways	CPAP-SM225
Smart-1 225 Appliance with Policy, Log & Event Security Management for 25 Security Gateways (Including SAN card)	CPAP-SM225-SAN
Smart-1 3050 Appliance with Policy, Log & Event Security Management for 50 Security Gateways	CPAP-SM3050
Smart-1 3050 Appliance with Policy and Log Management for 5 Security Domains	CPAP-SM3050-MD5
Smart-1 3050 Appliance with Policy and Log Management for 10 Security Domains with High Performance Package (including 128GB RAM, 2x10GBase-F SFP+ interface card, 2xSFP+ short-range transceivers)	CPAP-SM3050-MD10-HPP
Smart-1 3150 Appliance with Policy, Log & Event Security Management for 150 Security Gateways	CPAP-SM3150
Smart-1 3150 Appliance with Policy and Log Management for 5 Security Domains	CPAP-SM3150-MD5
Smart-1 3150 Appliance with Policy and Log Management for 10 Security Domains with High Performance Package (including 256GB RAM, 12x2TB hard drives, SAN interface card, 2x10GBase-F SFP+ interface card, 2xSFP+ short-range transceivers)	CPAP-SM3150-MD10-HPP

1 SmartEvent and Compliance for one year. Extension SKUs are available.

ACCESSORIES

	225	3050	3150
Interfaces			
Network Policy Management	✔	✔	✔
4 Port 10/100/1000Base-T RJ45	-	✔	✔
8 Port 10/100/1000Base-T RJ45	-	✔	✔
2 Port 1000Base-F SFP	-	✔	✔
4 Port 1000Base-F SFP	-	✔	✔
2 Port 10GBase-F SFP+	-	✔	✔
4 Port 10GBase-F SFP+	-	✔	✔
Memory (RAM) and HDD			
Additional 16GB (add-on)	✔	-	-
Additional 32GB (add-on)	-	✔	-
Additional 64GB (add-on)	-	-	✔
128GB RAM (replace)	-	✔	-
256GB RAM (replace)	-	✔	✔
2TB Hard Drive	✔	✔	✔

ORDERING ACCESSORIES

Interface Cards and Transceivers	SKU
4 Port 10/100/1000Base-T RJ45 interface card	CPAC-4-1C-L
8 Port 10/100/1000Base-T RJ45 interface card	CPAC-8-1C-L
2 Port 1000Base-F SFP interface card. Requires additional 1000Base SFP transceiver modules per interface port.	CPAC-2-1F
4 Port 1000Base-F SFP interface card. Requires additional 1000Base SFP transceiver modules per interface port.	CPAC-4-1F
SFP transceiver for 1G fiber ports - short range (1000Base-SX) for CPAC-2-1F and CPAC-4-1F	CPAC-TR-1SX
SFP transceiver for 1G fiber ports - long range (1000Base-LX) for CPAC-2-1F and CPAC-4-1F	CPAC-TR-1LX
2 Port 10GBase-F SFP+ interface card. Requires an additional 10GBase SFP+ transceiver per interface port.	CPAC-2-10F
4 Port 10GBase-F SFP+ interface card. Requires an additional 10GBase SFP+ transceiver per interface port.	CPAC-4-10F
SFP+ transceiver for 10G fiber Ports - short range (10GBase-SR) for CPAC-2-10F and CPAC-4-10F	CPAC-TR-10SR
SFP+ transceiver for 10G fiber ports - long range (10GBase-LR)) for CPAC-2-10F and CPAC-4-10F	CPAC-TR-10LR

ORDERING ACCESSORIES (CONTINUED)

Hardware Expansions	SKU
Additional 16GB RAM (add-on) for Smart-1 225	CPAC-RAM16GB-SM225
Additional 32GB RAM (add-on) for Smart-1 3050	CPAC-RAM32GB-SM3050
Additional 64GB RAM (add-on) for Smart-1 3150	CPAC-RAM64GB-SM3150
128GB RAM (replacement) for Smart-1 3050	CPAC-RAM128GB-SM3050
256GB RAM (replacement) for Smart-1 3050/3150	CPAC-RAM256GB-SM3050/3150
2TB Hard Drive for Smart-1 225, 3050, 3150	CPAC-HDD-2TB-SM225/3050/3150
Spares and Replacements	
Replacement parts kit for Smart-1 225	CPAC-SPARE-SM225
Replacement parts kit for Smart-1 3050	CPAC-SPARE-SM3050
Replacement parts kit for Smart-1 3150	CPAC-SPARE-SM3150