# CHECK POINT
# SMART-1™ MANAGEMENT APPLIANCES

## CHECK POINT SMART-1™ MANAGEMENT APPLIANCES

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 (MDM), 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 HDD
2 LOM port
3 LCD display
4 USB ports
5 Console port
6 Four 1 GbE ports
7 Optional Fiber Channel SAN card
8 Optional NICs
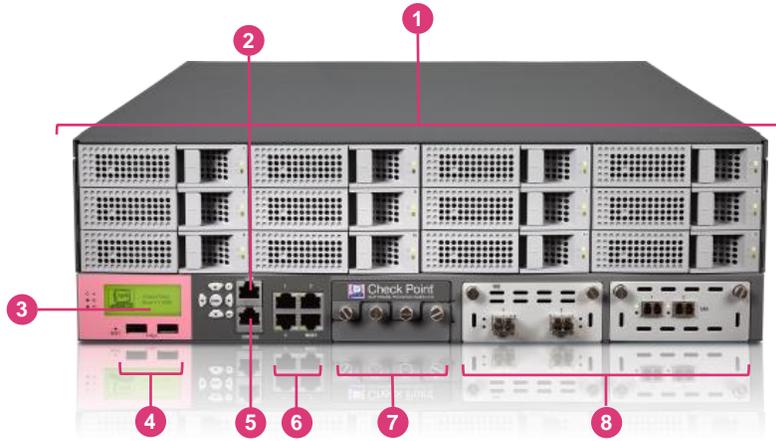
## OPTIMIZED FOR SECURITY MANAGEMENT

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.

## 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

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## PRODUCT SPECIFICATIONS (CONTINUED)

| Smart 1 Appliances | 205 | 210 | 225 | 3050 | 3150 |
|---|---|---|---|---|---|
| Management HA | Included | Included | Included | Included | Included |
| LCD Display | ✔ | ✔ | ✔ | ✔ | ✔ |
| 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 PSU | 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 | Temperature: 32° to 104° F / 0° to 40° C Humidity: 5~90% (non-condensing) | | | | |
| Storage Environment | Temperature: -40° to 158° F / -40° to 70° C Humidity: 5~95% (non-condensing) | | | | |
| **Certifications** | | | | | |
| Safety/Emissions/Environment | UL / CE, FCC Class A / RoHS | | | | |

## SOFTWARE PACKAGE

| | 205 | 210 | 225 | 3050 | 3150 |
|---|---|---|---|---|---|
| Network Policy Management | ✔ | ✔ | ✔ | ✔ | ✔ |
| Endpoint Policy Management | ✔ | ✔ | ✔ | ✔ | ✔ |
| Logging and Status | ✔ | ✔ | ✔ | ✔ | ✔ |
| Compliance[1] | ✔ | ✔ | ✔ | ✔ | ✔ |
| SmartProvisioning | ✔ | ✔ | ✔ | ✔ | ✔ |
| Monitoring | ✔ | ✔ | ✔ | ✔ | ✔ |
| User Directory | ✔ | ✔ | ✔ | ✔ | ✔ |
| Management Portal | ✔ | ✔ | ✔ | ✔ | ✔ |
| SmartWorkflow | ✔ | ✔ | ✔ | ✔ | ✔ |
| SmartEvent[1] | ✔ | ✔ | ✔ | ✔[2] | ✔[2] |
| Dedicated Smart-1 Event Option | ✔ | ✔ | ✔ | ✔ | ✔ |
| Dedicated Smart-1 Log Option | - | - | - | ✔ | ✔ |

✔—Included, [1] Includes SmartEvent and Compliance license for 1 year, [2] Not supported with Multi-Domain on the same appliance

## SMART-1 APPLIANCES

| Smart-1 Appliances[1] | SKU |
|---|---|
| Smart-1 205 Appliance NG Security Management for 5 gateways (SmartEvent & Compliance 1 year) | CPAP-NGSM205 |
| Smart-1 205 Appliance, dedicated SmartEvent for 5 gateways (perpetual) | CPAP-NGSM205-EVNT |
| Smart-1 210 Appliance NG Security Management for 10 gateways (SmartEvent & Compliance 1 year) | CPAP-NGSM210 |
| Smart-1 210 Appliance, dedicated SmartEvent for 10 gateways (perpetual) | CPAP-NGSM210-EVNT |
| Smart-1 225 Appliance NG Security Management for 25 gateways (SmartEvent & Compliance 1 year) | CPAP-NGSM225 |
| Smart-1 225 Appliance, dedicated SmartEvent for 25 gateways (perpetual) | CPAP-NGSM225-EVNT |
| Smart-1 3050 Appliance NG Security Management for 50 gateways (SmartEvent & Compliance 1 year) | CPAP-NGSM3050 |
| Smart-1 3050 Appliance NG MDM for 50 gateways, 5 domains (SmartEvent & Compliance 1 year) | CPAP-NGSM3050-MD5 |
| Smart-1 3050 Appliance NG MDM for 50 gateways, 10 domains (SmartEvent & Compliance 1 year), HPP includes 128GB RAM, 2x10GBase-F SFP+ interface card, 2xSFP+ short-range transceivers | CPAP-NGSM3050-MD10-HPP |
| Smart-1 3050 Appliance, dedicated SmartEvent for 50 gateways (perpetual) | CPAP-NGSM3050-EVNT |
| Smart-1 3050 Appliance, dedicated Multi-Log Manager for 50 gateways and 10 domains | CPAP-NGSM3050-MLOG10 |
| Smart-1 3150 Appliance NG Security Management for 150 gateways (SmartEvent & Compliance 1 year) | CPAP-NGSM3150 |
| Smart-1 3150 Appliance NG MDM for 150 gateways and 5 domains (SmartEvent & Compliance 1 year) | CPAP-NGSM3150-MD5 |
| Smart-1 3150 Appliance NG MDM for 150 gateways and 10 domains (SmartEvent & Compliance 1 year), HPP includes 256GB RAM, 12x2TB hard drives, SAN interface card, 2x10GBase-F SFP+ interface card, 2xSFP+ short-range transceivers | CPAP-NGSM3150-MD10-HPP |
| Smart-1 3150 Appliance, dedicated SmartEvent for 150 gateways (perpetual) | CPAP-NGSM3150-EVNT |
| Smart-1 3150 Appliance, dedicated Multi-Log Manager for 150 gateways and 10 domains | CPAP-NGSM3150-MLOG10 |

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

## ACCESSORIES

| | 225 | 3050 | 3150 |
|---|:---:|:---:|:---:|
| **Interfaces** | | | |
| Storage Area Network interface card | ✔ | ✔ | ✔ |
| 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 | ✔ | ✔ | ✔ |

## ACCESSORIES (continued)

| 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 transceivers per port. | CPAC-2-1F |
| 4 Port 1000Base-F SFP interface card. Requires additional 1000Base SFP transceivers per 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 additional 10GBase SFP+ transceivers per port. | CPAC-2-10F |
| 4 Port 10GBase-F SFP+ interface card. Requires additional 10GBase SFP+ transceivers per 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 |
| 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 |
| Storage Area Network (SAN) Interface expansion card for Smart-1 3050/3150 | CPAC-SAN-SM3050/3150 |
| Spares and Replacements | SKU |
| 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 |