



Smart-1 Appliances

Cyber security management
in the era of Big Data

Security Management Appliances

YOUR CHALLENGE

Today organizations face new challenges in security management. Growth in the number of devices, users and content, and a dramatic increase in security incidents have resulted in a much larger overall security management workload.

In addition corporate boundaries are shifting from headquarters and branch offices, to roaming users through mobile devices, and from on premise to cloud environments. In order to manage the security environment in this changing landscape efficiently and effectively, organizations need an agile, robust, high capacity security management solution that keeps pace with these dynamic environments. This solution must manage a wide set of policies to maintain security even as boundaries, devices, and data change and evolve. It also needs to manage new security technologies as protections change to adapt to threats, and must process more data faster than ever before.

Despite these changes and expanding requirements, security resources remain constrained. Organizations strive to reduce the strain on their resources and seek simplification of security management tasks through consolidation, while maintaining visibility over the entire organizational security posture. To further streamline the security management process, organizations also search for solutions that immediately identify threats and link threats to security policies.

OUR SOLUTION

Check Point Smart-1 Appliances deliver cyber security management in the era of Big Data. Smart-1 Appliances, and the integrated Check Point Software Blade architecture, enable organizations to consolidate security policy, log, and event management into a single dedicated management appliance. From physical and virtual gateways to on premise and in the cloud, Check Point's unique and unified security management platform enables control over the broadest range of security features and functions.

Smart-1 Appliances offer a scalable solution designed to fit your needs today, with the ability to adapt to and accommodate your future requirements. Organizations of all sizes can leverage Smart-1 to manage from 5 to 5000 gateways within their network, and reduce the time and effort required to establish security management infrastructure. Security and control can be further improved by utilizing the Smart-1 Appliances to segment the network into as many as 200 independent domains by geography and business use.

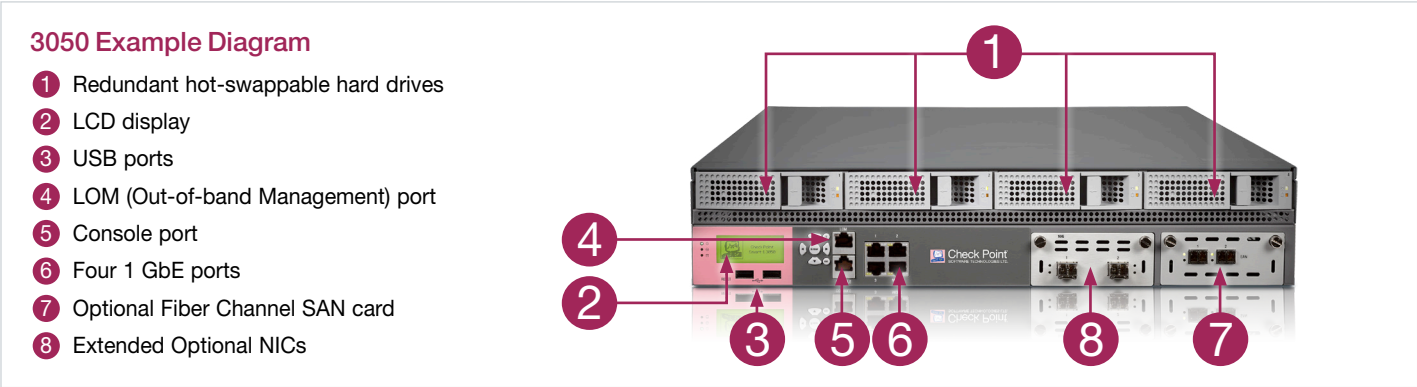
KEY FEATURES

- Centrally manage 5 to 5000 Security Gateways
- Manage up to 200 independent security domains with multi-domain management
- Up to 24 TB of 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 a high degree of availability
- Wide variety of optional NICs, including 1GbE and 10GbE interfaces
- Optional SAN interface connects to central storage

KEY BENEFITS

- Consolidate policy, log and event management in a single appliance
- Segment policy into independent security domains by geography or business use
- One-stop security management and monitoring for consolidated security with Firewall, IPS, Anti-Virus, Anti-Bot, Threat Emulation, DLP, URL Filtering, and Application Control
- Detect threats in real time with advanced log and event analytic tools
- Instant visibility into billions of log records
- Leverage Next Generation SmartEvent to generate customized and personalized views and reports in seconds
- Store more than double the log capacity, allowing for years of forensic investigation
- Enterprise-grade scalable platform for business-critical networks
- Maintain business continuity with redundant and reliable hardware and software





Smart-1 Appliances provide the flexibility and control required to manage even the most complex environments.

Check Point Smart-1 Appliances efficiently manage and analyze security log and events in real time . By implementing Smart-1 Appliances, organizations gain centralized visibility into billions of logs, visual indication of risks, and the ability to quickly investigate potential threats. Smart-1 Appliances provide Big Data intelligence to help organizations make fast and informed decisions regarding their security.

The Smart-1 Appliances deliver enterprise-grade scalability for business-critical networks. Network connectivity needs are met with optional SAN interfaces, 1GbE and 10GbE NIC options. The Smart-1 Appliances deliver a reliable platform with advanced management and redundant hot-swappable power supplies, fans, and hard drives to address the business-critical needs of any business environment.

SMART-1 APPLIANCES FEATURES

Consolidated and Comprehensive Security Management

Smart-1 Appliances consolidate security, log, and event management into a single dedicated management appliance and a unified management console for one-stop security management and monitoring. From SmartConsole, an administrator can define and monitor security policies across multiple security functions including Firewall, IPS, Anti-Virus, Anti-Bot, Threat Emulation, URL Filtering, and Application control.

Smart-1 Appliances provide central security management and the ability to view logs, track events, view reports and monitor security and network activity, see trends, and centrally distribute signatures and software updates.

Organizations seeking to optimize their security management can leverage the Compliance Software Blade on their Smart-1 Appliances. Security best practices provided by the Compliance Software Blade deliver continuous feedback to organizations to help them ensure that gateways and Software Blades are configured and managed correctly. The Compliance Software Blade simulates the security impact of configuration or policy changes before installation, and provides real-time notifications to administrators alerting them to potential risks. The Compliance Software Blade provides a valuable tool for organizations seeking to consolidate their security management and stay on top of your security posture.

Centrally Manage Up to 5000 Gateways

Check Point offers five Smart-1 Appliances to meet the needs of any enterprise. The 205, 210 and the 225 are enterprise grade appliances capable of managing up to 5, 10 and 25 gateways respectively. The 3050 and 3150 are ultra-high-end appliances capable of managing 50 and over 150 gateways (up to 5000 Check Point 1100 gateways).

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

Multi-Domain Management

Smart-1 Appliances allow IT administrators to segment security management into as many as 200 independent domains. Easily create domains based on geography, business unit or security function to strengthen security and simplify management by segregating administration and policies.

Smart-1 Appliances with Multi-Domain Log Management host log files in segregated domains and improve performance by isolating log traffic from management traffic.

Transform Data into Security Intelligence

Every Smart-1 Appliance includes SmartLog as part of the Logging and Status Software Blade and unified security management console. This enables enterprises to centrally track log records and security activity across all Software Blades. With split-second free-text search results, administrators gain instant visibility over billions of log records. The intuitive search delivers real-time results from any log field, displaying top-down results, saving security administrator's valuable time. Administrators can search multiple log files, time periods, gateways and domains, or search by action, user, time or geography for powerful granular security investigation.

Up to 24TB of internal RAID Storage

Smart-1 Appliances provide up to 24 TB 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 12 x 2TB disk drives, the Smart-1 appliance is a flexible platform, providing storage capacities suited for small to large environments, able to host billions of log records.

Detect Threats in Real-Time

Smart-1 Appliances with Next Generation SmartEvent deliver real-time cyber threat visibility in the era of Big Data. Customizable views and personalized reports enable organizations to monitor important activities and keep key stakeholders informed. Next

Generation SmartEvent delivers big data threat detection capabilities in just seconds. Administrators can move from a high level view to detailed forensic analysis in just a simple click. With free-text search, and correlation of multiple logs, organizations can generate weekly reports in less than ten seconds and quickly analyze data and identify critical security events from the clutter.

Scalable and Reliable Platform






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 are available including a fiber channel SAN module, and redundant and hot swappable power supplies and hard drives, for a high degree of availability.

Network Connectivity

The Smart-1 Appliances provide a wide variety of network interfaces. Built-in 1GbE copper interfaces and optional 1Gbe or 10GbE copper or Fiber interfaces allows for flexible network connectivity. The optional SAN interfaces enable integration with high-performance fiber channel networks for backup, disaster recovery, and compliance requirements.



PRODUCT SPECIFICATIONS

| | Enterprise Grade | | | Ultra High End | |
|---|---|---|--|---|---|
| Appliances | 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 | 3,000 | 5,000 | 11,000 | 26,000 ² | 44,000 ² |
| NG SmartEvent Performance | | | | | |
| Event Logs/Sec | 280 | 480 | 950 ³ | 3,000 ⁴ | 7,500 ⁵ |
| GB of Logs/Day | 3.5 | 6.5 | 13 | 40 | 100 |
| Maximum Users | 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 |
| Additional Features | | | | | |
| Management HA | Included | Included | Included | Included | Included |
| LCD Display | ✓ | ✓ | ✓ | ✓ | ✓ |
| Secure OS | Pre-hardened, optimized operating system | | | | |

¹ Managing up to 5000 Check Point 1100 Appliances

² In Multi-Domain configuration

³ with 32GB RAM

⁴ with 128GB RAM

⁵ with 256GB RAM

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.

(continued)



Datasheet: Smart-1 Appliances

PRODUCT SPECIFICATIONS *(continued)*

| Smart-1 Appliances | 205 | 210 | 225 | 3050 | 3150 |
|------------------------------------|---|--------------------------|-------------------------|------------------------|------------------------|
| Web-based Administration | Enables quick, easy and secure administration from anywhere in the network | | | | |
| Backup and Restore | For disaster recovery planning | | | | |
| Centralized Administrative Rights | RADIUS authentication and RADIUS groups | | | | |
| 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 601x 87.8 mm | 442x631.1 x132mm |
| 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 |
| Power Consumption (max) | 108W | 108W | 223W | 434W | 571W |
| DC Option | ✓ | ✓ | ✓ | ✓ | ✓ |
| Environment Conditions | | | | | |
| Operating Environment Range | Temperature: 32° to 104° F / 0° to 40° C Humidity: 5~90% (non-condensing) | | | | |
| Storage Environment Range | Temperature: -40° to 158° F / -40° to 70° C Humidity: 5~95% (non-condensing) | | | | |
| Certifications | | | | | |
| Safety | UL | | | | |
| Emissions | CE, FCC Class A | | | | |
| Environment | RoHS | | | | |

SOFTWARE PACKAGES

| Smart-1 Appliances | 205 | 210 | 225 | 3050 | 3150 |
|--|-----|-----|-----|----------------|----------------|
| 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 |
| SmartEvent ¹ | ✓ | ✓ | ✓ | ✓ ² | ✓ ² |
| SmartReporter ¹ | ✓ | ✓ | ✓ | ✓ ² | ✓ ² |
| Dedicated Event and Multi-Domain Log Packages | | | | | |
| Smart-1 Event Option ³ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Smart-1 Multi-Domain Log Option ⁴ | X | X | X | ✓ | ✓ |

✓—Included O—Optional X—Not Supported

¹ Includes SmartEvent, SmartReporter and Compliance license for 1 year

² Not supported with multi-domain on the same appliance

³ All bundles include Logging and Status with SmartLog and a 4-year license for SmartEvent and SmartReporter

⁴ All bundles include SmartLog and 10 Log Domains



ORDERING APPLIANCES

| Smart-1 Appliances | SKU |
|--|----------------------|
| Smart-1 205 Appliance with Policy, Log & Event Security Management for 5 Security Gateways ¹ | CPAP-SM205 |
| Smart-1 205 Appliance with Log & Event Security Management for 5 Security Gateways ² | CPAP-SM205-EVNT |
| Smart-1 210 Appliance with Policy, Log & Event Security Management for 10 Security Gateways ¹ | CPAP-SM210 |
| Smart-1 210 Appliance with Log & Event Security Management for 10 Security Gateways ² | CPAP-SM210-EVNT |
| Smart-1 225 Appliance with Policy, Log & Event Security Management for 25 Security Gateways ¹ | CPAP-SM225 |
| Smart-1 225 Appliance with Policy, Log & Event Security Management for 25 Security Gateways (Including SAN card) ¹ | CPAP-SM225-SAN |
| Smart-1 225 Appliance with Log & Event Security Management for 25 Security Gateways ² | CPAP-SM225-EVNT |
| Smart-1 3050 Appliance with Policy, Log & Event Security Management for 50 Security Gateways ¹ | CPAP-SM3050 |
| Smart-1 3050 Appliance with Policy and Log Management for 5 Security Domains ¹ | 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) ¹ | CPAP-SM3050-MD10-HPP |
| Smart-1 3050 Appliance with Log & Event Security Management for 50 Security Gateways ² | CPAP-SM3050-EVNT |
| Smart-1 3050 Appliance with Log Security Management for 10 Security Domains | CPAP-SM3050-MLOG10 |
| Smart-1 3150 Appliance with Policy, Log & Event Security Management for 150 Security Gateways ¹ | CPAP-SM3150 |
| Smart-1 3150 Appliance with Policy and Log Management for 5 Security Domains ¹ | 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) ¹ | CPAP-SM3150-MD10-HPP |
| Smart-1 3150 Appliance with Log & Event Security Management for 150 Security Gateways ² | CPAP-SM3150-EVNT |
| Smart-1 3150 Appliance with Log Security Management for 10 Security Domains | CPAP-SM3150-MLOG10 |

¹ SmartEvent and Compliance for one year. Two and three year SKUs are available

² All bundles include SmartLog and a 4-year license for SmartEvent and SmartReporter

ACCESSORIES

| | 225 | 3050 | 3150 |
|--|-----|------|------|
| Interfaces | | | |
| 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+ | - | ✓ | ✓ |
| Storage Interface (SAN) expansion card | ✓ | ✓ | ✓ |



Datasheet: Smart-1 Appliances

| 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 |
| Storage Interface (SAN) expansion card for Smart-1 3050/3150 | CPAC-SAN-SM3050/3150 |
| 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 | SKU |
| Replacement parts kit for Smart-1 225 (including one Hard Disk Drive, one Power Supply, one Fan module) | CPAC-SPARE-SM225 |
| Replacement parts kit for Smart-1 3050 (including one Hard Disk Drive, one Power Supply, one Fan module) | CPAC-SPARE-SM3050 |
| Replacement parts kit for Smart-1 3150 (including one Hard Disk Drive, one Power Supply, one Fan module) | CPAC-SPARE-SM3150 |

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