

CHECK POINT SECURITY APPLIANCES





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Introduction

Check Point appliances deliver a powerful turnkey solution for deploying Check Point award-winning software solutions to address virtually any security need. Based on the new Check Point Software Blade Architecture™, Check Point appliances provide the highest level of flexibility, scalability, and extensibility in the industry. All Check Point appliances are built around a unified security architecture, enabling organizations to perform all aspects of security management via a single, unified console. With Check Point appliances, organizations of all sizes can tailor their network security infrastructure to meet their functional and performance needs—with centralized management, simple deployment, and full extensibility.

CHECK POINT APPLIANCE OPTIONS

Check Point offers the following appliance options to effectively deliver comprehensive security applications:

- **Dedicated Appliances**—Check Point dedicated hardware platforms devoted to a single security application such as intrusion prevention (IPS) and data loss prevention (DLP). Dedicated appliances provide hardware resources for a single application, delivering higher performance.
- **Integrated Appliances**—Check Point integrated appliances take an all-in-one approach, combining multiple security applications on a single enterprise-class platform. Because applications are consolidated within a unified security architecture, organizations can reduce TCO and simplify security configuration.
- **Bladed Hardware**—Check Point bladed hardware platforms include a chassis with multiple hardware blades that run independent security applications. Each blade is equivalent to an independent server or appliance, and contains dedicated resources for each security application. Bladed hardware platforms deliver built-in failover and load-balancing utilities, as well as an increase in system performance.

UTM-1 Appliances

All inclusive. All secured.

OVERVIEW

UTM-1™ appliances offer the ideal combination of proven security technologies and easy-to-use deployment and management features. With a full line of hardware-based solutions, Check Point UTM-1 appliances consolidate key security applications such as firewall, VPN, intrusion prevention, and antivirus and more into a single, easy-to-manage solution. UTM-1 Appliances are based on the Check Point Software Blade Architecture that enables flexible and fast deployment of additional security capabilities, such as VoIP protections, without the addition of new hardware.

UTM-1 appliances deliver a comprehensive set of security features including firewall, intrusion prevention, antivirus, anti-spyware, anti-spam, Web filtering, Web application security—as well as secure site-to-site and remote access connectivity. **UTM-1 Edge™** family of appliances deliver integrated firewall, intrusion prevention, VPN, and antivirus for branch offices of up to 100 users, ensuring small offices stay as secure as the corporate office.

BENEFITS

- Industry-leading application- and network-layer firewall
- Site-to-site and remote-access VPNs
- Gateway antivirus and anti-spyware
- Intrusion prevention with type-based protections and security updates
- Web security with URL filtering and integrated security for Web applications
- Email security and anti-spam, including the Check Point six dimensions of comprehensive messaging security
- Software Blade Architecture for fast and flexible deployment of new security services

UTM-1 appliances come in six models and **UTM-1 Edge** family of appliances consists of X-Series and N-Series models. UTM-1 Edge X-Series appliances come in four models and UTM-1 Edge N-Series appliances come in two models that let organizations choose the right solution to meet price and performance requirements.



UTM-1 Edge N-Series



UTM-1 130



UTM-1 3070

Series 80 Appliance

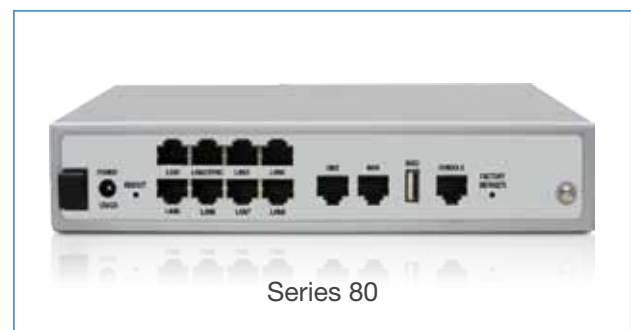
Enterprise-grade branch office security

OVERVIEW

The **Check Point Series 80 Appliance™** raises the bar on remote and branch office security by extending Software Blades to the edge of the network—delivering enterprise-grade security in a high-performance desktop form factor. The Series 80 appliance delivers IPsec/SSL VPN and the same industry-proven firewall technology that secures the Global 100—all right out-of-the box. Based on the Check Point Software Blade Architecture, the Series 80 appliance enables flexible, single-click upgrades of additional security capabilities, including IPS, antivirus and anti-malware, anti-spam and email security, and URL filtering. And, the Series 80 can be easily configured, deployed and managed without the need for corporate IT staff.

BENEFITS

- Delivers flexible and manageable enterprise-grade security for branch offices
- Includes Best-in-Class Integrated Firewall and IPsec/SSL VPN
- Provides the best price/performance in its class with proven throughput of 1.5 Gbps for firewall, 220 Mbps for VPN and 720 Mbps for IPS
- Protects against emerging threats with optional Software Blades such as IPS, antivirus, email security, and more
- High port density provides enhanced performance and minimizes the overhead of switches and routers in remote environments
- New intuitive and fast start-up wizard allows hassle-free configuration, deployment and management
- Centrally managed by SmartCenter and Provider-1



Power-1 Appliances

Security for high-performance environments

OVERVIEW

Check Point Power-1™ appliances enable organizations to maximize security in high-performance environments such as large campuses or data centers. They combine integrated firewall, IPsec VPN, and intrusion prevention with advanced acceleration and networking technologies, delivering a high-performance security platform for multi-Gbps environments. The Check Point Software Blade Architecture enables flexible and fast deployment of additional security capabilities, such as VoIP protections and UTM functionality, on Power-1 appliances.

BENEFITS

- Streamlines deployment of enterprise security for large offices and data centers
- Ensures availability of business-critical applications with up to 30 Gbps firewall throughput and up to 15 Gbps intrusion prevention throughput
- Provides comprehensive security including Firewall, IPS, IPsec VPN, Advanced Networking, and Acceleration & Clustering Software Blades
- Protects against emerging threats with optional Software Blades such as VoIP, Web Security, Antivirus, and more
- Simplifies administration with a single management console for all sites
- Power-1 11000 series adds performance extensibility via field upgradeability and enables customers to boost performance by 100% from lowest to highest model

Power-1 appliances, which include **Power-1 5077**, **Power-1 9077**, and the **Power-1 11000** series, let organizations choose the proper levels of performance and port density for their environments.



IP Appliances

Flexible networking and performance options

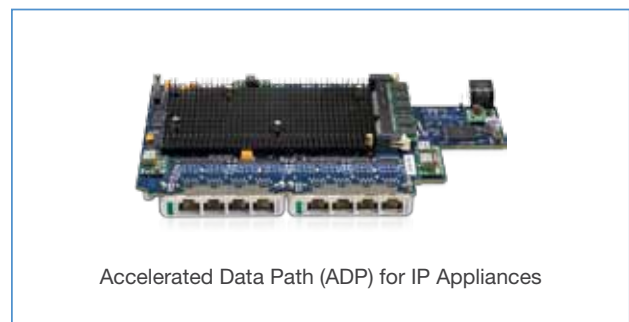
OVERVIEW

Proven for years in complex networking and performance-demanding environments, **Check Point IP Appliances™** offer customers integrated turnkey security functionality such as firewall, VPN, and intrusion prevention across a wide range of models. Optimized for Check Point Security Gateway software, the IP Appliances offer unsurpassed scalability, high performance, manageability, and high port densities that reduces operational costs in complex, mission-critical security environments. IP Appliances enable customers to extend a unified security architecture from the network core out to branch and remote offices.

BENEFITS

- Integrated security appliances based on Check Point Software Blade Architecture for fast, flexible deployment of security functionality
- Scalable, modular, and configurable security architecture with multiple acceleration (ADP service modules), security, and interface options insures investment protection
- Achieve high performance across a broad spectrum of traffic types
- Enterprise-class high availability, scalability, and fault tolerance to insure network resiliency and business continuity
- Carrier-grade serviceability and redundancy
- Streamlined IT efficiency with advanced management tools for installation, configuration, and maintenance

IP Appliances come in six models that deliver security solutions ideal for large enterprises, carrier-grade networks and remote and branch offices.



VSX-1 Appliances

Virtualized security

OVERVIEW

The **VSX-1™** appliances are virtualized security gateways that enable the creation of hundreds of security systems on a single hardware platform, delivering deep cost savings and infrastructure consolidation. Based on the proven security of VPN-1® Power™, VSX-1 provides best-in-class firewall, VPN, URL filtering, and intrusion-prevention technology to multiple networks, securely connecting them to each other and shared resources such as the Internet and DMZs. All security systems, virtual and real, are centrally managed through Check Point SmartCenter™ or Multi-Domain Security Management consoles. Powerful turnkey VSX-1 appliances further reduce deployment cost while delivering carrier-class reliability and scalability.

VSX-1 enables any organization to optimize space and costs by operating a virtual network of hundreds of routers, switches, and VPN-1 gateways. For MSPs, VSX-1 becomes the ideal platform for new subscription revenue opportunities by delivering new security services easily and efficiently. These include value-add virtualized content filtering, VPN, network segmentation and firewall services, instantly provisioned using the VSX Virtual Systems Wizard at the lowest possible cost.

BENEFITS

- Unique and comprehensive virtualized security solution with firewall, VPN, IPS, and URL filtering
- Consolidate from five to hundreds of security gateways on a single device, increasing device hardware utilization and reducing power, space, and cooling
- Linear scalability, load sharing and multi-Gigabit performance
- Flexible deployment options including open platforms and a full line of turnkey appliances
- Centralized security management unifies both physical and virtual management in a single solution

VSX-1 appliances come in nine models that allow organizations to choose the right solution for their performance and scalability needs.



DLP-1 Appliances

Check Point makes DLP work

OVERVIEW

Check Point DLP-1™ solves the longstanding problem with data loss prevention technology — enabling organizations to effectively protect sensitive company and customer data, without placing an additional burden on your scarce IT resources. Check Point DLP combines state-of-the-art prevention and enforcement with end user remediation capabilities, for the ideal blend of security and usability.

UserCheck™, Check Point's unique user remediation function, educates users on self-incident handling and corporate data policies, while empowering them to remediate events in real-time. Files that are sent or uploaded to the web are processed by Check Point MultiSpect™, a multi-data classification engine that inspects traffic flow for all data-in-motion, and provides high accuracy in correlating users, data types, and processes.

BENEFITS

- Easily defines data policies while assuring consistent enforcement across the entire network
- Prevents data loss by inspecting traffic in real-time, and proactively blocking the transmission of sensitive information
- Includes more than 250 pre-defined best-practices policies and rules for easy administration
- High performance from 700Mbps to over 2.5Gbps
- Centralized Check Point management for unprecedented visibility and control
- Open scripting language to create customized data types for easily extensible and granular prevention



Smart-1 Appliances

Extensible security management

OVERVIEW

Smart-1 appliances deliver Check Point's market leading security management software blades on a dedicated hardware platform specifically designed for mid-size and large enterprise security networks. Based on Check Point's Software Blade Architecture, the line of four Smart-1 appliances are first to deliver a unified management solution for network, IPS and endpoint security with unsurpassed extensibility.

BENEFITS

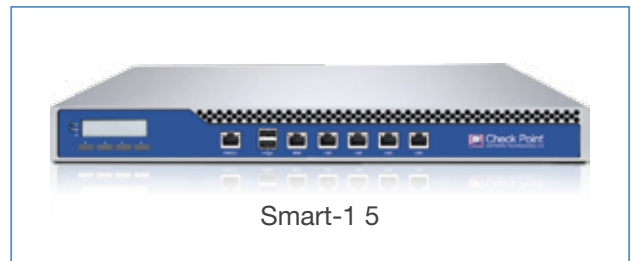
- Provides a comprehensive set of security management Software Blades in four turnkey security management appliances
- Maximize efficiency with a single unified management console for network and endpoint security
- Reduce costs and conserve resources with up to 12 TB of integrated storage capabilities
- Ensure operational continuity for the most demanding environments
- Simplify large scale security policy provisioning with multi-domain management (Provider-1)

Smart-1 150: Security management for large service providers with more than 150 gateways and including up to 12 TB of integrated log storage

Smart-1 50: Security management for enterprises and service providers with 50 to 150 gateways, including up to 4 TB of integrated log storage

Smart-1 25: Security management for enterprises with 25 to 50 gateways, including up to 2 TB of integrated log storage

Smart-1 5: Security management for businesses with 5 to 25 gateways including up to 500 GB of integrated log storage



Smart-1 SmartEvent Appliances

Unified security event management

OVERVIEW

Smart-1 SmartEvent appliances deliver Check Point's SmartEvent Software Blade event management Software Blades on a dedicated hardware platform. Smart-1 SmartEvent appliances are specifically designed for mid-size and large enterprise security networks, providing comprehensive security event analysis in a turnkey, plug-and-play appliance. Based on Check Point's Software Blade Architecture, Smart-1 SmartEvent appliances are first to deliver a unified event management solution for network, IPS and endpoint security with unsurpassed extensibility.

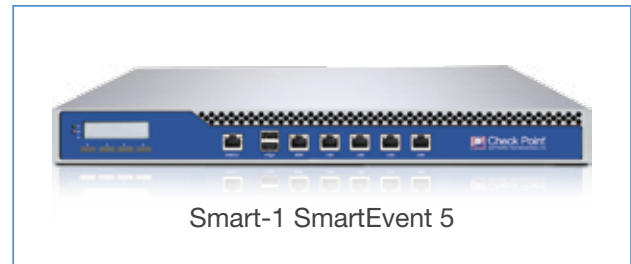
BENEFITS

- Provides a comprehensive set of security management Software Blades in three turnkey security management appliances
- Maximize efficiency with a single unified management console for network and endpoint security event management
- Reduce costs and conserve resources with up to 4 TB of built-in storage capabilities
- Ensure operational continuity for the most demanding environments

Smart-1 SmartEvent 50: Security Management for enterprises that need maximum flexibility, high performance and up to 2 years of log storage

Smart-1 SmartEvent 25: Security Management for enterprises that want maximum flexibility and up to 1 year of log storage

Smart-1 SmartEvent 5: Security Management for businesses that want an affordable solution that can scale as their business grows



Check Point Integrated Appliance Solutions

Integrated hardware and software from Check Point and IBM

OVERVIEW

Check Point Integrated Appliance Solutions (IAS) provide organizations with the ultimate choice in appliances—integrated software and hardware bundles customized to their exact specifications. These customized platforms enable them to provision security services based on exact corporate needs.

Organizations can choose from Check Point Software Blades such as firewall, IPSec VPN, and intrusion prevention, and additional blades including UTM functionality. They can also choose to deploy Check Point's virtualized security gateway, VPN-1 Power VSX™, as well as Provider-1 for management of large deployments with separate security domains.

Check Point integrates the selected software onto an IBM System x™ server or IBM BladeCenter® to provide a comprehensive solution that includes direct technical support from Check Point.

BENEFITS

- Provides a software/hardware combination trusted by the largest organizations in the world
- Reduces complexity by ensuring compatibility of the latest certified components and servers
- Increases flexibility for security services provisioning by allowing customers to choose from multiple Check Point solutions
- Delivers scalable performance and port density based on customer needs
- Protects against emerging threats with service-based Check Point Software Blades including IPS, Antivirus, Anti-Malware, and URL Filtering

M series Integrated Appliance Solutions are predefined models that can be customized to meet specific needs. The **M2** model delivers UTM functionality. The **M6** and **M8** models both provide maximum security for high-performance environments with integrated firewall, VPN, and intrusion prevention.



Integrated Appliance Solution Bladed Hardware

Customized security with superior network performance

OVERVIEW

Check Point Integrated Appliance Solution (IAS) Bladed Hardware provides a customized, integrated security solution on a single, high-performance chassis. By integrating essential Check Point Security Gateway Software Blades with Crossbeam's X-Series carrier-grade chassis, IAS Bladed Hardware can effectively serve the needs of the most demanding, highest performance environments. Alternatively, the VPN-1 Power VSX provides a dedicated gateway for multi-layer, multi-domain virtualized security. Leveraging the Check Point Software Blade Architecture, IAS Bladed Hardware provides customized security solutions to meet specific customer needs—including unified management of physical and virtual environments.

BENEFITS

- Provides a customized, integrated security solution on a single, high-performance chassis
- Integrates best-in-class award-winning security software blades with carrier-grade chassis for a comprehensive security solution
- Enables true performance scalability, with up to 40Gbps firewall throughput
- Increases flexibility for security services provisioning by allowing customers to choose from multiple Check Point solutions
- Provides a single point of contact for hardware, software, and support

With Check Point **IAS Bladed Hardware**, customers can choose among two hardware chassis and two security software bundles for a customized solution that best fits their individual needs. The Crossbeam X80 hardware chassis provides scalability and performance, while the X45 chassis provides performance in a space-saving design. The Check Point Security Gateway SG805 software bundle is designed for physical environments, while the VPN-1 Power VSX provides a virtualized security solution.



Crossbeam X80

For more information: www.checkpoint.com/products/ias-bladed-hardware

Check Point Integrated Appliance Solutions

Integrated hardware and software from Check Point and HP ES

OVERVIEW

Check Point Integrated Appliance Solutions (IAS) D-Series Appliances allow organizations to create a customized security solution—integrated software and hardware—built on a baseline set of standardized platforms for delivery of security services. This choice allows organizations to combine the proven security of Check Point on high performance-oriented platforms with a single point of contact for fulfillment and support of all issues.

Organizations can customize their security solution using Check Point Software Blades such as firewall, IPSec VPN, and intrusion prevention, advanced networking and more. Organizations can also choose to deploy Check Point's virtualized security gateway, VPN-1 Power VSX™, Provider-1 for management of large deployment with separate security domains, End Point Suite POINTSEC.

BENEFITS

- Provides a customized security software and hardware bundle on high performance-oriented platforms
- Allows customers to extend security by simple Software Blades upgrade
- Delivers high firewall performance of up to 20 Gbps based on customer needs
- Increases flexibility for security services provisioning by allowing customers to choose from multiple Check Point solutions
- Provides a single point of contact for hardware, software and support

D-Series Integrated Appliance Solutions are predefined models that can be customized to meet specific needs. There are eleven (11) models to choose from to meet your security needs. The VSX and VSLs provides virtualized security solution and the UTM models deliver UTM functionality.



Appliance Specifications

UTM-1 Series

	UTM-1 Edge	UTM-1 Edge N-Series	UTM-1 130	UTM-1 270	UTM-1 570	UTM-1 1070	UTM-1 2070	UTM-1 3070
Models	UTM-1 Edge X, UTM-1 Edge W, UTM-1 Edge X ADSL, UTM-1 Edge W ADSL	UTM-1 Edge N UTM-1 Edge NW	UTM-1 132 UTM-1 134 UTM-1 138	UTM-1 272 UTM-1 274 UTM-1 278	UTM-1 574 UTM-1 578	UTM-1 1075 UTM-1 1078	UTM-1 2075 UTM-1 2078	UTM-1 3075 UTM-1 3078
Software Edition	Embedded NGX	Embedded NGX	R65, R70, R71, R75	R65, R70, R71, R75	R65, R70, R71, R75	R65, R70, R71, R75	R65, R70, R71, R75	R65, R70, R71, R75
10/100 Ports	6	-	1	-	-	-	-	-
10/100/1000 Ports	-	6	4	4	6	6	8	10
Firewall Throughput	190 Mbps	1.0 Gbps	1.5 Gbps	1.5 Gbps	2.5 Gbps	3 Gbps	3.5 Gbps	4.5 Gbps
VPN Throughput	35 Mbps	200 Mbps	120 Mbps	120 Mbps	300 Mbps	350 Mbps	450 Mbps	1.1 Gbps
Concurrent Sessions	8,000	60,000	600,000	600,000	650,000	1.1 million	1.1 million	1.1 million
IPS Throughput	5 Mbps	30 Mbps	1.0 Gbps	1.0 Gbps	1.7 Gbps	2.2 Gbps	2.7 Gbps	4 Gbps
Licensed Users	8/16	32/Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
VLANs	32	64	1,024 ¹	1,024 ¹	1,024 ¹	1,024 ¹	1,024 ¹	1,024 ¹
UTM Out of the Box	-	-	Yes	Yes	Yes	Yes	Yes	Yes
Security Acceleration	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Multisite Management	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Storage	-	-	80 GB	160 GB	160 GB	160 GB	160 GB	160 GB
Form Factor	Desktop	Desktop	Desktop/1U	1U	1U	1U	1U	1U
Dimensions (standard)	8 x 1.2 x 4.8 in.	8 x 1.2 x 4.8 in.	10.6 x 5.7 x 1.6 in.	16.8 x 10 x 1.73 in.	16.8 x 10 x 1.73 in.	16.8 x 10 x 1.73 in.	17.4 x 15 x 1.73 in.	17.4 x 15 x 1.73 in.
Dimensions (metric)	203.2 x 30.5 x 122mm	203.2 x 30.5 x 122mm	270 x 145 x 40mm	429 x 255 x 44mm	429 x 255 x 44mm	429 x 255 x 44mm	443 x 381 x 44mm	443 x 381 x 44mm
Weight	0.7kg (1.6 lbs.)	0.7kg (1.6 lbs.)	1.6kg (3.52 lbs.)	3.7kg (8.1lbs.)	3.7kg (8.1 lbs.)	3.7kg (8.1 lbs.)	6.5kg (14.3 lbs.)	6.5kg (14.3 lbs.)
Operating Environment	Temperature: 5° to 40° C; Humidity: 10% to 85% non-condensing; Altitude: 2,500m ²							
Power Input	100/240V, 50/60Hz							
Power Supply Spec (Max)	18W	18W	60W	65W	65W	65W	250W	250W
Power Consumption (Max)	-	-	46.9W	26.2W	41.1W	40.1W	63.1W	77.5W
Compliance	UL 60950; FCC Part 15, Subpart B, Class A; EN 55024; EN 55022; VCCI V-3; AS/NZS 3548:1995; CNS 13438 Class A (test passed; country approval pending); KN22, KN61000-4 Series, TTA; IC-950; ROHS							

¹ Maximum of 256 VLANs per interface

² UTM-1 Edge operating environment: Temperature: 0° to 40° C, Humidity: 10%–90% non-condensing, Altitude: 4500m (15,000ft)

Appliance Specifications

Series 80

	Series 80
Software Edition	R71
10/100/1000 Ports	10
Firewall Throughput	1.5 Gbps
VPN Throughput	220 Mbps
Concurrent Sessions	150,000
IPS Throughput	720 Mbps
Licensed Users	Unlimited
VLANs	1024
AV Throughput	100 Mbps
Disk or Flash Based	Flash
Enclosure	Desktop
Dimensions (standard)	8.75 x 1.75 x 6 in.
Dimensions (metric)	220 x 44 x 152.4mm
Weight	3.6kg (8 lbs.)
Operating Environment	Temperature: 0° to 40° C; Humidity: 5% to 95% non-condensing
Power Input	100/240V, 50/60Hz, 240W
Power Supply Spec (max)	12V/2A DC 24W
Power Consumption (max)	16.68W
Compliance	EMC: EN55022+24_2007-ITE; FCC: FCCP15B+ICES-003-ITE; Safety: UL/c-UL 60950-1_2nd_2007(US+CA); IEC 60950_1_2nd_2005-CB

Appliance Specifications

Power-1 Series

	Power-1 5077	Power-1 9077	Power-1 11000 Series		
			11067	11077	11087
Software Edition	R65, R70, R71, R75	R65, R70, R71, R75	R65, R70, R71, R75	R65, R70, R71, R75	R65, R70, R71, R75
10/100/1000 Ports	10/14	14/18	14/18	14/18	14/18
10Gb Ports	2 Optional	4 Optional	4 Optional	4 Optional	4 Optional
Firewall Throughput ¹	9 Gbps	16 Gbps	15 Gbps	20 Gbps	30 Gbps
VPN Throughput ¹	2.4 Gbps	3.7 Gbps	3.7 Gbps	4 Gbps	4.5 Gbps
Concurrent Sessions	1.2 million	1.2 million	1.2 million	1.2 million	1.2 million
IPS Throughput ¹	7.5 Gbps ²	10 Gbps ²	10 Gbps ²	12 Gbps ²	15 Gbps ²
Licensed Users	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
VLANs	1,024 ³	1,024 ³	1,024 ³	1,024 ³	1,024 ³
UTM Out of the Box	Optional	Optional	Optional	Optional	Optional
Security Acceleration	Yes	Yes	Yes	Yes	Yes
Integrated Multigateway Management	-	-	-	-	-
Storage	160 GB	2 x 160 GB	2 x 250 GB	2 x 250 GB	2 x 250 GB
Enclosure	2U	2U	2U	2U	2U
Dimensions (standard)	17 x 20 x 3.46 in.	17 x 20 x 3.46 in.	17 x 22.8 x 3.46 in.	17 x 22.8 x 3.46 in.	17 x 22.8 x 3.46 in.
Dimensions (metric)	431 x 509.5 x 88mm	431 x 509.5 x 88mm	431 x 580 x 88mm	431 x 580 x 88mm	431 x 580 x 88mm
Weight	14.5kg (31.9 lbs.)	16.5kg (36.3 lbs.)	23.4kg (51.6 lbs.)	23.4kg (51.6 lbs.)	23.4kg (51.6 lbs.)
Operating Environment	Temperature: 5° to 40° C; Humidity: 10% to 85% non-condensing; Altitude: 2,500m				
Power Input	100/240V, 50/60Hz ⁴				
Power Supply Spec (max)	250W	400W	500W	500W	500W
Power Consumption (max)	164.1W	200.7W	253.2W	253.2W	253.2W
Compliance	UL 60950; FCC Part 15, Subpart B, Class A; EN 55024; EN 55022; VCCI V-3AS/NZS 3548:1995; CNS 13438 Class A (test passed; country approval pending); KN22KN61000-4 Series, TTA; IC-950; ROHS				

¹ Performance data represents the maximum capabilities of the systems as measured under optimal testing conditions.

Deployment and policy considerations may impact performance results.

² Test based on real-world traffic blend using the default profile

³ Maximum of 256 VLANs per interface

⁴ Redundant power supply

Appliance Specifications

IP Appliance Series

	IP282	IP297	IP397	IP567	IP697	IP1287	IP2457
Software Edition	R65, R70, R71, R75	R65, R70, R71, R75	R65, R70, R71, R75	R65, R70, R71, R75	R65, R70, R71, R75	R65, R70, R71, R75	R65, R70, R71, R75
10/100/1000 Ports	6	6/8	4/8	4/16	4/16	4/28	4/32
10 GbE Ports	-	-	-	-	6 ¹	10 ¹	10 ¹
Firewall Throughput	1.5Gbps	1.5 Gbps	3.0 Gbps	7 Gbps	7.2/11.7 Gbps ²	10.3/17.5 Gbps ²	11/30 Gbps ²
VPN Throughput	1.0 Gbps	1.0 Gbps	677 Mbps	1.7 Gbps	1.9/ 3.3 Gbps ²	1.9/8.3 Gbps ²	1.9/8.3 Gbps ²
Concurrent Sessions	900,000	900,000	1 million	1 million	1 million	1 million	1 million
IPS Throughput	1.4 Gbps	1.4 Gbps ³	2.9 Gbps ³	2.9 Gbps ³	4 Gbps ³	7 Gbps ³	9 Gbps ³
VLANs	1024 ⁴	1024 ⁴	1024 ⁴	1024 ⁴	1024 ⁴	1024 ⁴	1024 ⁴
ADP Module	-	-	-	-	Optional	Optional	Optional
VPN Acceleration	Optional	Optional	Included	Included	Included	Included	Included
Storage	80GB	80 GB	80 GB	80 GB	80 GB	80 GB	80 GB
Disk-Based or Flash	Disk	Disk or Flash	Disk or Flash	Disk or Flash	Disk or Flash	Disk or Flash	Disk or Flash
Enclosure	1U/half rack	1U/half rack	1U	1U	1U	2U	2U
Dimensions (standard)	8.52 x 18 x 1.71 in	8.52 x 18 x 1.71 in.	17 x 16 x 1.71 in.	17.23 x 22 x 1.71 in.	17.23 x 24 x 1.71 in.	17.23 x 24.11 x 3.46 in.	17.23 x 24.11 x 3.46 in.
Dimensions (metric)	216 x 457 x 44 mm	216 x 457 x 44mm	432 x 406 x 44mm	438 x 559 x 44mm	438 x 610 x 44mm	438 x 613 x 88mm	438 x 613 x 88mm
Weight	5.1kg (11.25 lbs)	5.1kg (11.25 lbs)	7.71kg (17.0 lbs)	11.84kg (26.1 lbs)	12.38kg (27.3 lbs)	19.6kg (43.2 lbs)	20.57kg (45.35 lbs)
Operating Environment	Temperature: 5° to 40° C ⁵ ; Humidity: 10% to 85% non-condensing; Altitude: 2,500m						
Power Input	100/240V, 50/60Hz						
Power Supply Spec (max)	133W	133W	150W	225W	250W	700W	700W
Power Consumption (max)	-	-	100W	165W	-	-	-
DC Power Supply	-	-	-	-	-	Optional	Optional
Compliance	Safety: UL60950-1, First Edition: 2003, CAN/CSAC22.2, No 60950:2000, IEC60950-1: 2001, EN60950-1:2001+A11 with Japanese National Deviations; Emission Compliance: FCC Part 15, Subpart B, Class A, EN50024,EN55022A: 1998, CISPR 22 Class A: 1985, EN61000-3-2, EN61000-3-3; Immunity: EN55024: 1998						

¹ Optional

² Performance without ADP/with ADP

³ Preliminary results

⁴ Maximum of 256 VLANs per interface

⁵ IP395 can go to 50° C

Appliance Specifications

VSX-1 Series

	VSX-1 3070 Single Unit	VSX-1 9070 Single Unit	VSX-1 9090 VLS	VSX-1 11060/070/080 Single Unit	VSX-1 11260/270/280 VLS
Software Edition (VSX Version)	R67	R67	R67	R67	R67
Built-In Interfaces (10/100/1000 Ports)	10 Copper GbE	14	28	14	28
Optional Interfaces	-	LOM, 2x4 1 GbE Fiber, 2x4 1GbE Copper, 2x2 10 GbE	LOM, 2x2x4 1 GbE Fiber, 2x2x4 1GbE Copper, 2x2x2 10 GbE	LOM, 2x4 1 GbE Fiber, 2x4 1GbE Copper, 2x2 10 GbE	LOM, 2x2x4 1 GbE Fiber, 2x2x4 1GbE Copper, 2x2x2 10 GbE
Firewall Throughput	4.5 Gbps	13.5 Gbps	27 Gbps	15/20/25 Gbps	30/40/50 Gbps
VPN Throughput	1 Gbps	3.6 Gbps	7.2 Gbps	3.7/4.0/4.5 Gbps	7.4/8.0/9.0 Gbps
Concurrent Sessions	1 million	1.1 million	1.6 million	1.2 million	1.6 million
Licensed Users	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
VLANs	4096	4096	4096	4096	4096
Virtual Systems (included/capacity)	5/10	10/150	10/150	10/250	10/250
UTM Out of the Box	Optional	Optional	Optional	Optional	Optional
Security Acceleration	Yes	Yes	Yes	Yes	Yes
Multisite Management	Optional ¹	Optional ¹	Optional ¹	Optional ¹	Optional ¹
Storage	160 GB	2 x 160 GB	4 x 160 GB	2 x 250 GB	4 x 250 GB
Enclosure	1U	2U	4U	2U	4U
Dimensions (standard)	17.4 x 15 x 1.73 in.	17 x 20 x 3.46 in.	17 x 20 x 7 in.	17 x 20 x 3.46 in.	17 x 20 x 7 in.
Dimensions (metric)	443 x 381 x 44mm	431 x 509.5 x 88mm	431 x 509.5 x 176mm	431 x 509.5 x 88mm	431 x 509.5 x 176mm
Weight	6.5kg (14.3 lbs.)	16.5kg (36.3 lbs.)	33kg (72.6 lbs.)	23.4kg (51.6 lbs.)	46.8kg (103.2 lbs.)
Operating Environment	Temperature: 5° to 40° C; Humidity: 10% to 85% non-condensing; Altitude: 2,500m				
Dual, Hot-Swappable Power Supplies	No	Yes	Yes	Yes	Yes
Power Input	100/240V, 50/60Hz				
Power Supply Spec (max)	250W	400W	800W	500W	1000W
Power Consumption (max)	78W	201W	400W	253W	506W
Compliance	UL 60950; FCC Part 15, Subpart B, Class A; EN 55024; EN 55022; VCCI V-3AS/NZS 3548:1995; CNS 13438 Class A (test passed; country approval pending); KN22KN61000-4 Series, TTA; IC-950; ROHS			UL60950-1, First Edition: 2003, CAN/CSAC22.2, No 60950:2000, IEC60950-1: 2001, EN60950-1:2001+A11 with Japanese National Deviations; FCC Part 15, Subpart B, Class A, EN50024,EN55022A:1998, CISPR 22 Class A, 1985, EN61000-3-2, EN61000-3-3; EN55024: 1998	

¹Management server resides on separate server

Appliance Specifications

DLP-1 Series

	DLP-1 2571	DLP-1 9571
Software Edition	R71	R71
Number of Users	1000	5000
Messages/Hour	70,000	350,000
Throughput	700 Mbps	2.5 Gbps
Built-in Interfaces	6 Copper 1 GbE	10 Copper 1 GbE
Optional Interfaces	Built-in 4-Port Copper Bypass Card	LOM, 2x4 1 GbE Fiber, 2x4 1GbE Copper, 2x2 10 GbE, Modular 4-Port Copper Bypass Card
Storage Size	500GB	2x2TB (Mirrored – RAID 1)
Enclosure	1U	2U
Dimensions (standard)	17.4 x 15 x 1.73 in.	17 x 20 x 3.46 in.
Dimensions (metric)	443 x 381 x 44mm	431 x 509.5 x 88mm
Weight	6.5kg (14.3 lbs.)	16.5kg (36.3 lbs.)
Dual, Hot-Swappable Power Supplies	No	Yes
Power Input	100/240V, 50/60Hz	
Power Supply Spec (max)	250W	400W
Power Consumption (max)	77.5W	200.7W
Operating Environment	Temperature: 5° to 40° C; Humidity: 10% to 85% non-condensing; Altitude: 2,500m	
Compliance	UL 60950; FCC Part 15, Subpart B, Class A; EN 55024; EN 55022; VCCI V-3AS/NZS 3548:1995; CNS 13438 Class A (test passed; country approval pending); KN22KN61000-4 Series, TTA; IC-950; ROHS	

Appliance Specifications

Smart-1 Series

	Smart-1 5	Smart-1 25	Smart-1 50	Smart-1 150
Software Edition	R65, R70	R65, R70	R65, R70	R65, R70
Managed Gateways	5 up to 25	25 up to 50	50 up to 150	150 up to unlimited
Managed Domains	-	-	1 up to 3/5/10	3 up to 5/10/50
Management HA	Included	Included	Included	Included
Logs/sec	7,500	14,000	30,000	30,000
Built-in Interfaces	4 Copper GbE	5 Copper GbE	4 Copper GbE	4 Copper GbE
LCD Display	Yes	-	Yes	Yes
Storage	1 x 0.5 TB	4 x 0.5 TB	4 x 1 TB	4 x 1 TB, up to 12 TB
Storage Type	-	RAID 10	RAID 10	RAID 10
Fiber Channel SAN Card	-	-	Optional	Optional
Out-of-Band Management	-	Integrated	Integrated	Integrated
Enclosure	1U	1U	2U	3U
Dimensions (standard)	17 x 10.9 x 1.75 in.	17 x 21.7 x 1.75 in.	22.8 x 17.4 x 3.5 in.	24.9 x 17.4 x 5.2 in.
Dimensions (metric)	431 x 277 x 44mm	431 x 551 x 44mm	580 x 442 x 88mm	632 x 442 x 131mm
Weight	6kg (13.2 lbs.)	13kg (28.7 lbs.)	23.5kg (51.8 lbs.)	29.5kg (65 lbs.)
Power Supply	1	2	2	3
Power Input	100/240V, 50/60Hz	100/240V, 50/60Hz	90/264V, 47/63Hz	90/264V, 47/63Hz
DC Option	-	-	Yes	-
Power Supply Spec (max)	150W	2 x 250W	2 x 600W	3 x 930W
Power Consumption (max)	70.5W	135.8W	505.3W	399.6W
Operating Environment	Temperature: Ambient operating 0° to 40° C; Humidity: 5% to 95% non-condensing (RH)			
Compliance	CE, FCC Class A, RoHS			

Appliance Specifications

Smart-1 SmartEvent Series

	Smart-1 SmartEvent 5	Smart-1 SmartEvent 25	Smart-1 SmartEvent 50
Software Edition	R70.2	R70.2	R70.2
Managed Gateways	5 up to 25	25 up to 50	50 up to 150
Managed Domains	1	1	1 up to 3/5/10
Management HA	Included	Included	Included
Logging Capacity (Recommended)	2GB per day	10GB per day	25GB per day
Storage	1 x 0.5 TB	4 x 0.5 TB	4 x 1 TB
Storage Type	-	RAID 10	RAID 10
Built-in Interfaces	5 Copper GbE	5 Copper GbE	4 Copper GbE
Fibre Channel SAN card	-	-	optional
Out-of-band management	-	Integrated	Integrated
LCD Display	Yes	-	Yes
Enclosure	1U	1U	2U
Dimensions (standard)	17 x 10.9 x 1.75 in.	17 x 21.7 x 1.75 in.	22.8 x 17.4 x 3.5 in.
Dimensions (metric)	431 x 277 x 44mm	431 x 551 x 44mm	580 x 442 x 88mm
Weight	6kg (13.2 lbs.)	13kg (28.7 lbs.)	23.5kg (51.8 lbs.)
Power Supply	1	2	2
Power Input	100/240V, 50/60Hz	100/240V, 50/60Hz	90/264V, 47/63Hz
DC Option	-	-	Yes
Power Supply Spec (max)	150W	2 x 250W	2 x 600W
Power Consumption (avg)	61.7W	122W	350.8W
Operating Environment	Temperature: Ambient operating 0° to 40° C; Humidity: 5% to 95% non-condensing (RH)		
Compliance	CE, FCC, Class A, RoHS		

Appliance Specifications

Check Point Integrated Appliance Solutions

	IAS ¹ M2	IAS ¹ M6	IAS ¹ M8
Software Edition	R65, R70	R65, R70	R65, R70
10/100/1000 Ports	4/10	10/10	14/18
Firewall Throughput ²	7 Gbps	16 Gbps	20 Gbps
VPN Throughput ²	2.4 Gbps	3 Gbps	4 Gbps
Concurrent Sessions	1.2 million	1.2 million	1.2 million
IPS Throughput ²	4 Gbps ³	7.1 Gbps ³	8.6 Gbps ³
Licensed Users	Unlimited	Unlimited	Unlimited
VLANs	256	256	256
UTM Out of the Box	Optional	Optional	Optional
Security Acceleration	Yes	Yes	Yes
Integrated Multigateway Management	Optional	Optional	Optional
Storage	2 x 73 GB	2 x 73 GB	2 x 73 GB
Enclosure	1U	1U	2U
Dimensions (standard)	17.3 x 27.5 x 1.75 in.	17.3 x 27.5 x 1.75 in.	17.5 x 27.5 x 3.36 in.
Dimensions (metric)	440 x 698 x 44mm	443 x 698 x 44mm	444 x 698 x 84.8mm
Weight	16.1kg (35.5 lbs.)	16.1kg (35.5 lbs.)	26.1kg (57.5 lbs.)
Operating Environment	Temperature: 5° to 40° C; Humidity: 10% to 85% non-condensing; Altitude: 2,500m		
Power Input	100/240V, 50/60Hz ⁴		
Power Supply Spec (max)	650W	650W	1300W
Power Consumption (max)	180W	212W	342W

¹ IAS = Integrated Appliance Solutions

² Performance data represents the maximum capabilities of the systems as measured under optimal testing conditions.

Deployment and policy considerations may impact performance results.

³ Test based on real-world traffic blend using the default profile

⁴ Redundant power supply

Appliance Specifications

Integrated Appliance Solution Bladed Hardware Series

	Crossbeam X45	Crossbeam X80
Throughput	Up to 8 Gbps per APM Up to 20 Gbps per chassis	Up to 8 Gbps per APM Up to 40 Gbps per chassis
Form Factor/Size	13.5 x 17.5 x 19 in. - 19 in. rack mountable	30 x 17.5 x 17.5 in.
Interfaces/Connectivity	Data: 2 x 10 Gigabit Ethernet- SR/LR via XFP and 10 x 1 Gigabit Ethernet- SX/LX via SFP	Per Network Processor Module (NPM); 2x10 GbBase-SR/LR via XFP 10x1 GbBase-SX/LX via SFP
Processor	Single or dual dual, or Quad-core CPU	Single, dual dual-core, or Quad Core CPU
System Memory	Up to 16 GB per APM	Up to 16 GB per APM
Disk Size	120 GB HDD per APM	120 GB HDD per APM
Power	1-2 PS, 1,200W or 2,700W 120-240 VAC, 2,400W rated max 200-240 VAC, 2,700W rated max	1-4 PS, 1,200W or 2,700W 120-240 VAC, 3,600W rated max 200-240 VAC, 5,000W rated max X80-DC: -48 volt DC, 100A
Module Support	Up to 2 NPM, up to 5 APM, up to 2 CPM Supports up to 7 modules total	Up to 4 NPM, up to 10 APM, up to 2 CPM Supports up to 14 modules total
Management	Command Line Interface (SSH, telnet, console), Greenlight Element Manager (GEM) EMS (https), SNMP V1,2,3 support, Standard Syslog	
Certification	Common Criteria EAL4 with Check Point Software Technologies VPN-1 R65	
Status Indicators	Power Supply and Module Active/Failed Status LED, Port link (NPM, CPM), Minor/Major/Critical Alarm LEDs	
Regulatory Compliance for Chassis	RoHS; UL 60950, IEC 950, FCC 47 CFR Part 15 Class A, EN 55022 : EN 55024, VCCI V-3 : AS/NZS 3548 : 1995 : CNS 13438 Class A	
Green IT Compliancy	High efficiency power system up to 91 percent, Member of The Green Grid; WEEE Directive, ISO 14001, RoHS	
Other	Single or Dual System High Availability GUI- or CLI- based management, scales to 2 Network Processing Modules (NPM), 3 Application Processing Modules (APM) and 2 Control Processing Modules (CPM)	Single or Dual System High Availability GUI- or CLI- based management, scales to 4 Network Processing Modules (NPM), 8 Application Processing Modules (APM) and 2 Control Processing Modules (CPM)
Check Point Software	VPN-1 NGX R65, Security Gateway R70 & R71, VPN-1 Power VSX R65 & R67	VPN-1 NGX R65, Security Gateway R70 & R71, VPN-1 Power VSX R65 & R67
Operating System	XOS 7.2.1, 7.3.0.3, 8.0.1, 8.1.0, 8.5.0, and 9.0	XOS 7.2.1, 7.3.0.3, 8.0.1, 8.1.0, 8.5.0, and 9.0
Operating Environment	Temperature: 0° to 40° C (32° to 104° F); Humidity: 10% to 90% non-condensing; Altitude: 3,048m (10,000 ft.)	

Appliance Specifications

Check Point Integrated Appliance Solutions

	D1 Gateway	D1 Gateway Pair	D2 Gateway	D6 Gateway	D8 Gateway
Software Edition	R70 4003	R70 4003	NGX R70 PWR	NGX R70 PWR	NGX R70 PWR
Virtual Firewalls	-				
10/100/1000 Ports	6/6	6/6	6/10	6/10	8/18
10 Gb Ports	-				
Firewall Throughput	2 Gbps	2 Gbps	7 Gbps	16 Gbps	20 Gbps
VPN Throughput	1.2 Gbps	1.2 Gbps	2.4 Gbps	3 Gbps	4 Gbps
Concurrent Sessions	1.2 million	1.2 million	1.2 million	1.2 million	1.2 million
IPS Throughput	-				
VLANs	254	254	256	256	256
Lights Out Management	Included	Included	Included	Included	Included
Storage	160 GB	160 GB	2 x 73 GB (8 Max)	2 x 73 GB (8 Max)	2 x 73 GB (12 Max)
Memory	1 GB	1 GB	2 GB	4 GB	8 GB
Dimensions (standard)	1.69 x 17.64 x 27.56 in.	1.69 x 17.64 x 27.56 in.	1.70 x 16.78 x 27.25 in.	1.70 x 16.78 x 27.25 in.	3.38 x 17.54 x 29.25 in.
Dimensions (metric)	432 x 448.1 x 700mm	432 x 448.1 x 700mm	432 x 426.2 x 692.2mm	432 x 426.2 x 692.2mm	859 x 445.5 x 743mm
Weight	14.3 kg (31.49 lbs.)	14.3 kg (31.49 lbs.)	17.92 kg (39.5 lbs.)	17.92 kg (39.5 lbs.)	-
Power Input	90/132V, 180/264V, 47/63Hz	90/132V, 180/264V, 47/63Hz	100/240V, 50-60Hz	100/240V, 50/60Hz	100/240V, 50/60Hz
Power Supply Spec (max)	430W	430W	460W	460W	460W
Power Consumption (max)	75W	75W	170W	181W	290W
Operating Environment	Temperature: 10° to 35° C (50° to 95° F); Humidity: 10% to 90% non-condensing; Attitude: 3,050m (10,000 ft.)				
Compliance	CISPR 22; EN55022; EN55024; FCC CFR 47, Pt 15; ICES-003; CNS13438; GB9254; EN 61000-3-2; EN 61000-3-3; EN 60950-1; IEC 60950-1		CISPR 22; EN55022; EN55024; FCC CFR 47, Pt 15; ICES-003; CNS13438; GB9254; K22; K24; EN 61000-3-2; EN 61000-3-3; EN 60950-1; IEC 60950-1		

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Appliance Specifications

Check Point Integrated Appliance Solutions

continued from previous page

	VSX 50 Virtual Firewall D8	VSL5 50 Virtual Firewall D8	VSX 100 Virtual Firewall D8	VSL5 100 Virtual Firewall D8	UTM Appliance & UTM Appliance Pair
Software Edition	NGX R67 VSX	NGX R67 VSX	NGX R67 VSX	NGX R67 VSX	R70.1
Virtual Firewalls	50/250	100/250	100/250	100/250	-
10/100/1000 Ports	4/4	4/4	4/4	4/4	4 x RJ-45 Base-T
10 Gb Ports	4/8	4/8	4/8	4/8	-
Firewall Throughput	20 Gbps (System Aggregate)	20 Gbps (System Aggregate)	20 Gbps (System Aggregate)	20 Gbps (System Aggregate)	600 Mbps
VPN Throughput	4 Gbps (System Aggregate)	4 Gbps (System Aggregate)	4 Gbps (System Aggregate)	4 Gbps (System Aggregate)	100 Mbps
Concurrent Sessions	1.2 million (System Aggregate)	1.2 million (System Aggregate)	1.2 million (System Aggregate)	1.2 million (System Aggregate)	600,000
IPS Throughput	-	-	-	-	380 Mbps
VLANs	256 per Firewall	256 per Firewall	256 per Firewall	256 per Firewall	1,024
Lights Out Management	Included	Included	Included	Included	-
Storage	2 x 73 GB (12 Max)	2 x 73 GB (12 Max)	2 x 73 GB (12 Max)	2 x 73 GB (12 Max)	46 GB
Memory	1 6GB	16 GB	16 GB	16 GB	1 GB
Dimensions (standard)	3.38 x 17.54 x 29.25 in.	3.38 x 17.54 x 29.25 in.	3.38 x 17.54 x 29.25 in.	3.38 x 17.54 x 29.25 in.	16.8 x 10 x 1.73 in.
Dimensions (metric)	859 x 445.5 x 743mm	859 x 445.5 x 743mm	859 x 445.5 x 743mm	859 x 445.5 x 743mm	429 x 255 x 44mm
Weight	-	-	-	-	3.7kg (8.1 lbs.)
Power Input	100/240V, 50/60Hz	100/240V, 50/60Hz	100/240V, 50/60Hz	100/240VAC, 50/60Hz	100/240V, 50/60Hz
Power Supply Spec (max)	430W	430W	460W	460W	65W
Power Consumption (max)	75W	75W	170W	181W	41.1W
Operating Environment	Temperature: 10° to 35° C (50° to 95° F); Humidity: 10% to 90% non-condensing; Attitude: 3,050m (10,000 ft.)			Temperature: 5° to 40° C; Humidity: 10% to 85% non-condensing; Altitude: 2,500m	
Compliance	CISPR 22; EN55022; EN55024; FCC CFR 47, Pt 15; ICES-003; CNS13438; GB9254; K22; K24; EN 61000-3-2; EN 61000-3-3; EN 60950-1; IEC 60950-1			UL 60950; FCC Part 15, Subpart B, Class A; EN 55024; EN 55022; VCCI V-3; AS/NZS 3548:1995; CNS 13438 Class A (test passed; country approval pending); KN22, KN61000-4 Series, TTA; IC-950; ROHS	

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