



Network Security

Check Point network security solutions are the market-leading choice for securing the network infrastructure.

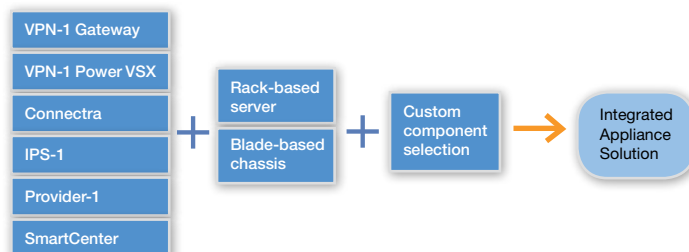
Check Point Integrated Appliance Solutions

Customized security appliances for your unique security needs

Check Point Integrated Appliance Solutions enable IT departments to design a total security solution tailored to meet specific needs, by combining proven Check Point security software solutions with high performance hardware based on IBM System xSeries servers and BladeCenter platforms. Integrated and supported by Check Point, these solutions fit an organization's every need and compliment other Check Point appliances, such as UTM-1™ and Power-1™ and enables the development of an enterprise-wide security infrastructure. Integrated Appliance Solutions also work seamlessly with solutions from Check Point appliance partners and certified open servers to deliver ultimate flexibility in architecting security throughout the enterprise.

CUSTOM-DESIGNED TO MEET YOUR NEEDS

Check Point can help you design specific security systems that match your architectural and security policy vision. By matching the appropriate Check Point software with the appropriate platform, Check Point can provide you with the flexibility to create customized security solutions designed to meet your specific security needs—ranging from remote offices to large data centers or telecom central offices.



Each Integrated Appliance represents a customer's vision for meeting the organization's security needs.

PRODUCT BENEFITS

- Designed to meet an organization's specific needs
- Delivers high performance platform for security
- Reduces hardware and operational costs
- Provides a single point of contact for hardware, software, and support

NGX™

The NGX platform delivers a unified security architecture for Check Point.

The foundation of the Integrated Appliance Solutions is the M series of pre-defined platforms. Choose from Check Point software such as VPN-1® UTM, VPN-1 Power, and the VPN-1 Power VSX™ virtualized security services platform, as well as Connectra® SSL VPN, SmartCenter™ management, and Provider-1® for management of large deployments with separate security domains. You can also modify the default hardware specifications of the M series to build a fully customized platform. Check Point then integrates the software and hardware into a single, certified solution for simple, effective deployment within your network.

STANDARDIZATION FOR LOWER SECURITY TOTAL COST OF OWNERSHIP

With the Integrated Appliance Solutions, you can take advantage of the benefits of customization and standardization. You work with Check Point to tailor Check Point applications and hardware components, and then finalize them into a standard corporate security platform. Then create a single support and procurement methodology that significantly simplifies management overhead. This allows your customer engineering teams the ability to save certification time and work on new projects, procurement to build economies of scale that reduce costs, and management to develop standard operating procedures that improve service quality and compliance.

HIGH SECURITY, HIGH PERFORMANCE

Because the Integrated Appliance Solutions are built around the latest hardware innovations such as multi-core processors, you can deploy to a higher level of security. Organizations can activate strict intrusion prevention policies with SmartDefense™ with multi-gigabit performance levels. And as Check Point updates its software, expect to see performance improve without requiring hardware upgrades.

THE SIMPLICITY YOU WANT

Check Point provides total support for the Integrated Appliance Solutions, including three levels of global advance replacement determined by support level and location. SmartDefense Services, an optional subscription, provides the latest updates for SmartDefense integrated intrusion prevention capabilities, delivering always up-to-date threat mitigation.



INTEGRATED APPLIANCE SOLUTION M SERIES SECURITY SPECIFICATIONS

Protection Details		M2	M6	M8
Firewall				
Protocol/application support	200-plus total	✓	✓	✓
VoIP protection	Sip, H.323, MGCP, and SIP with NAT support	✓	✓	✓
Instant messaging control	MSN, Yahoo, ICQ, and Skype (including over HTTP and SSL)	✓	✓	✓
Peer-to-peer blocking	Kazaa, Gnutella, BitTorrent, eMule, IRC (including over HTTP)	✓	✓	✓
Network Address Translation	Static/hide NAT support with manual or automatic rules	✓	✓	✓
IPSec VPN				
Encryption support	AES 128-256 bit, 3DES 56-168 bit	✓	✓	✓
Authentication methods	Password, RADIUS, TACACS, X.509, SecurID	✓	✓	✓
Certificate authority	Integrated X.509 certificate authority	✓	✓	✓
VPN communities	Automatically sets up site-to-site connections as objects are created	✓	✓	✓
Topology support	Star and mesh	✓	✓	✓
Route-based VPN	Utilizes Virtual Tunnel Interfaces, numbered/unnumbered interfaces	✓	✓	✓
VPN client	Check Point Endpoint Security™, VPN-1® SecureClient™, VPN-1 SecuRemote	✓	✓	✓
SSL VPN				
SSL-based remote access	Fully integrated SSL VPN gateway provides on-demand SSL-based access	Optional	Optional	Optional
SSL-based endpoint scanning	Scans endpoint for compliance/malware prior to admission to the network	Optional	Optional	Optional

INTEGRATED APPLIANCE SOLUTION M SERIES SECURITY SPECIFICATIONS (CONTINUED)

Protection Details		M2	M6	M8
Intrusion prevention				
Network-layer protection	Blocks attacks such as DoS, Port Scanning, IP/ICMP/TCP-related	✓	✓	✓
Application-layer protection	Blocks attacks such as DNS cache poisoning, FTP bounce, improper commands, and more	✓	✓	✓
Detection methods	Signature-based and protocol anomaly	✓	✓	✓
UTM functionality				
Antivirus protection	Protects HTTP, FTP, POP3, and SMTP protocols	✓	Optional	Optional
Anti-spyware blocks	Pattern-based spyware blocks at the gateway	✓	Optional	Optional
Web filtering	20 million-plus URLs covering three billion-plus Web pages and more than 70 languages	✓	Optional	Optional
Pattern-based and IP reputation checking anti-spam	Detects spam based on dynamic database of signatures	✓	Optional	Optional
Updates	Centralized, daily updates	✓	Optional	Optional
Networking				
Dynamic routing support	OSPF, BGP, RIP v1/2, Multicast	✓	✓	✓
DHCP support	SecurePlatform™ DHCP server and Relay	✓	✓	✓
Layer-2 bridge support	Transparently integrates into existing network	✓	✓	✓
ISP redundancy	Protocol-based, source/destination, and port route decisions	✓	✓	✓
Performance and availability				
High availability	Active/passive and active/active	✓	✓	✓
Load balancing	Integrated ClusterXL® Smart Load Balancing	✓	✓	✓
Quality of Service (QoS)	FloodGate-1® for granular QoS	✓	✓	✓
ISP redundancy	Automatically reroutes traffic to second interface	✓	✓	✓
Traffic acceleration	SecureXL™ accelerates security decisions	Optional	✓	✓
Multi-core acceleration	CoreXL™ balances security decisions across multiple cores	Optional	✓	✓

INTEGRATED APPLIANCE SOLUTION M SERIES HARDWARE SPECIFICATIONS

	M2	M6	M8
Firewall throughput	4.5 Gbps	8 Gbps	12 Gbps
Concurrent sessions	900,000	1.1 million	1.1 million
HTTP connections/second	40,000	50,000	60,000
VLANs	256	256	256
CPU	1 x 5405 (2.0GHz QC)	1 x 5420 (2.5 GHz QC)	2 x 5420 (2.5GHz QC)
Standard memory	2 GB	4 GB	4 GB
Storage capacity	2 x 73 GB	2 x 73 GB	2 x 73 GB
1 gigabit (10/100/1000) interfaces	4/10	10/10	14/18
Enclosure	1U	1U	2U
Power input	100~240V, 50~60Hz	100~240V, 50~60Hz	100~240V, 50~60Hz
Power consumption	350W (max.)	350W (max.)	835W (max.)
Operating environment range	Temperature: 5° to 40° C, Humidity: 10%-85% non-condensing, Altitude: 2,500m		
Safety and emissions	NOM, IEC 60950, UL 60950, CSA 22.2 No 60950, FCC Part 15, ICES-003 Class A, BSMI, CISPR 22 Class B, VCCI Class ITE, IEC 60950, CCEE		
Certifications	ISCA (firewall, VPN), VPNC, FIPS 140-2, Under evaluation for EAL 4 augmented		

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Additional hard disk drive options	
CPAP-APXL-DDM1	IBM 73 GB 15K-RPM Ultra320 SAS Hot-Swap Disk Drive
CPAP-APXL-DDL1	IBM 300 GB 15K-RPM Ultra320 SAS Hot-Swap Disk Drive
Additional NIC options	
CPAP-APXL-DLN2	Intel Pro 1000 PF Dual Port Gigabit Copper Ethernet Adapter
CPAP-APXL-FRN1	Intel Pro 1000 PF Single Port Gigabit Fiber Adapter
CPAP-APX-DFBR	Intel Pro/1000 PF Dual Port Fiber Server Adapter
CPAP-APXL-QDN4	Intel Pro/1000 PT Quad Port Server Adapter
CPAP-APXL-QFBR	Intel Pro/1000 PF Quad Port Fiber Server Adapter
CPAP-APXL-SPTG	Single Port 10 Gb Server Adapter
Additional power options	
CPAP-APXL-RDPR	Redundant power supply unit for M2 and M6 platform
Additional memory options	
CPAP-APXL-MEM2	Additional memory upgrades (2 GB 2 x 1 Gig)
CPAP-APXL-MEM4	Additional memory upgrades (4 GB 2 x 2 Gig)

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