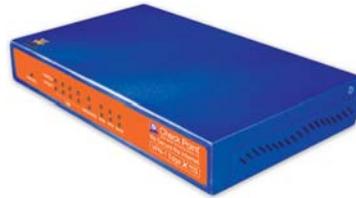




VPN-1 Edge

Secure remote connectivity with unmatched scalability



YOUR CHALLENGE

In today's cost-conscious environment, companies are increasingly turning to virtual private networks (VPNs) to connect remote offices to applications, information and other corporate resources. You need to efficiently deploy and manage hundreds or thousands of VPN gateways—even though your remote offices and retail sites often do not have dedicated security staff. You need cost-effective, reliable VPN gateways that integrate into your security infrastructure and protect against increasingly sophisticated Internet-based attacks.

OUR SOLUTION

Check Point VPN-1[®] Edge[™] security appliances provide secure connectivity for remote sites, branch offices, and partner sites by integrating market-leading VPN-1/FireWall-1[®] technology, high availability support, and simple Web-based setup. Ideal for large-scale VPN deployments, VPN-1 Edge devices can be centrally managed by SMART Management for quick setup and management of thousands of Check Point gateways.

UNMATCHED PROTECTION

Tailored to the needs of corporate remote sites, VPN-1 Edge safeguards corporate resources and ensures the privacy and integrity of data communications by integrating access control, user authentication, and encryption into one easy-to-use device.

Patented Stateful Inspection firewall

VPN-1 Edge includes Check Point-patented Stateful Inspection technology, providing the most secure Internet protection in the industry. Only Check Point Stateful Inspection can track the state and context of all network communications to provide truly complete network protection.

Broad application support

With Stateful Inspection, based on INSPECT technology, VPN-1 Edge secures more than 150 predefined applications, services, and protocols out of the box, including Web applications, instant messaging, peer-to-peer applications, VoIP, and multimedia services.

RAPID DEPLOYMENT AND MANAGEMENT

VPN-1 Edge appliances deploy in minutes and can be centrally managed by SmartCenter[™], Provider-1[®], or Security Management Portal (SMP). These management products allow you to centrally define, efficiently manage, and constantly monitor multiple Check Point gateways from a single console. Large-scale management for VPN-1 Edge is provided by Smart Large Scale Manager (SmartLSM[™]), which is part of SmartCenter Pro[™]. Using SmartLSM, security administrators can provide a single security policy—called a profile—

PRODUCT DESCRIPTION

The VPN-1[®] Edge[™] security appliance family is an integrated firewall and VPN security solution for remote sites, branch offices, and partner sites. VPN-1 Edge allows enterprises to deploy and centrally manage their network security policy for any remote location.

PRODUCT FEATURES

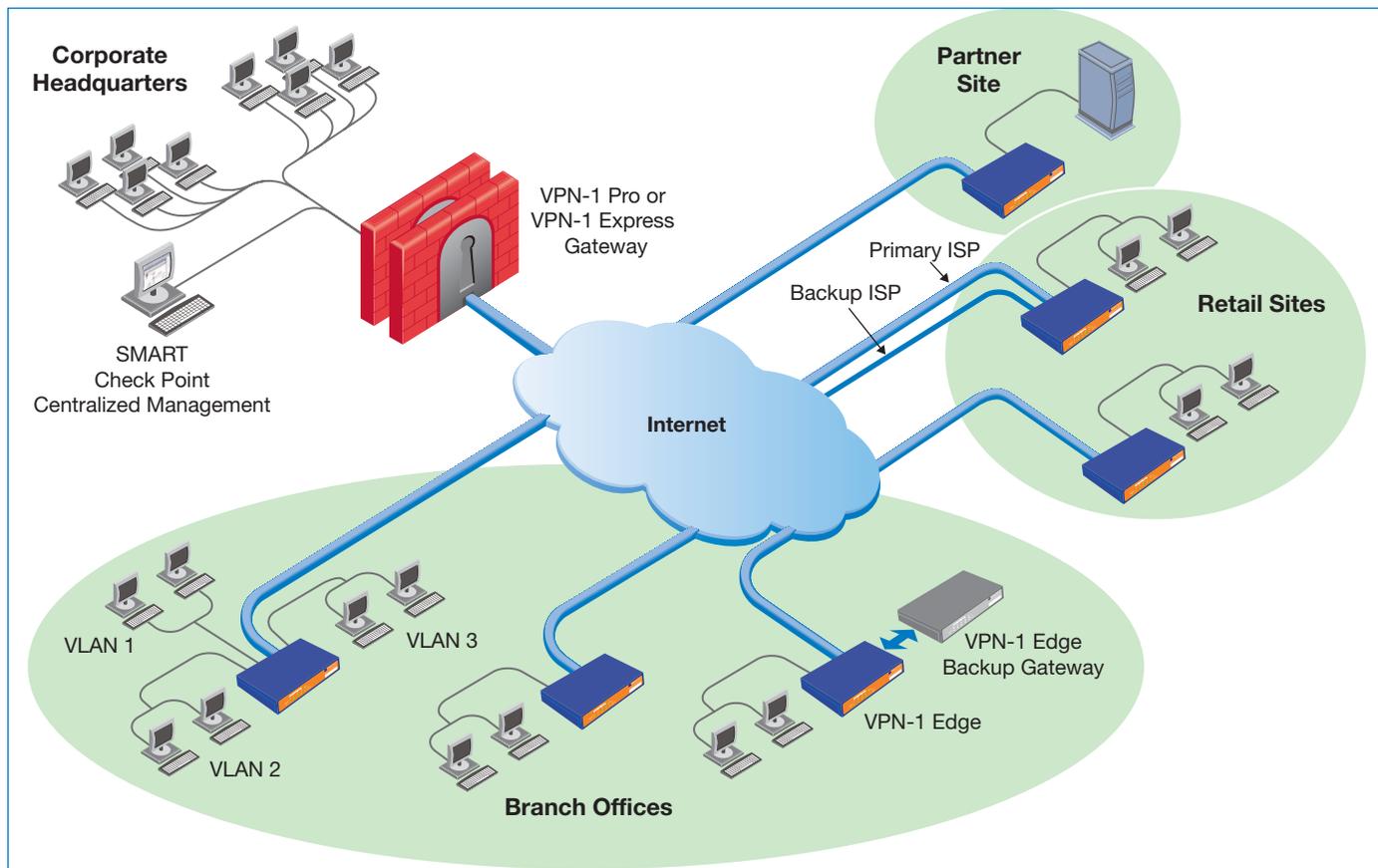
- Secure site-to-site and remote access IPSec VPN
- Patented Stateful Inspection firewall
- One-Click VPN deployment
- Centralized, large-scale management support
- ISP and gateway high availability
- VoIP support

PRODUCT BENEFITS

- Industry-proven security
- Easy setup and deployment
- Simplified administration for large-scale deployments
- Always-on protection



Check Point protects every part of your network—perimeter, internal, Web—to keep your information resources safe, accessible, and easy to manage.



VPN-1 Edge devices can be centrally managed by Check Point SMART Management.

and apply it simultaneously to hundreds of gateways. For very large deployments, the optional SMP module provides profile-based management of thousands of gateways. Also, you may purchase the optional Eventia Reporter, which is integrated with SmartCenter, to enable convenient centralized reporting for security and network data trends on all Check Point gateways, including VPN-1 Edge gateways.

Plug-and-play appliance

VPN-1 Edge includes wizard-driven Web-based management for setup in minutes by non-technical staff at the remote site. To further ease large-scale deployments, Check Point can preconfigure VPN-1 Edge to your specifications, for truly “plug and play” secure connectivity.

One-Click VPN deployment

Check Point centralized management simplifies gateway setup through One-Click VPN Communities. With VPN Communities, you simply drag the icon representing a VPN-1 Edge appliance and drop it into a VPN community, in the same way you would drag and drop a file into a desktop folder. The VPN-1 Edge appliance automatically inherits community security parameters, receives a X.509 digital certificate from the Check Point Internal Certificate Authority (included with Check Point centralized management), and can immediately establish secure IPSec sessions with the rest of the VPN community.

Integrated bandwidth management

Bandwidth management is important for remote offices where business critical traffic, such as VPN and VoIP, is competing with other noncritical traffic over a single ISP connection. VPN-1 Edge includes comprehensive bandwidth management that offers weighted priorities, guarantees, and limits. Weighted priorities allocate bandwidth according to relative merit as defined by business goals, guarantees allocate minimum bandwidth levels to traffic that require certain service levels at all times, and limits set bandwidth restrictions for noncritical network applications.

Comprehensive out-of-band management

VPN-1 Edge supports multiple out-of-band management schemes: CLI (Command Line Interface) via SSH, CLI via serial port, and SNMP.

Centrally-managed software updates

Check Point SmartCenter Pro includes SmartUpdate, which helps you centrally manage software upgrades and licenses. SmartUpdate can automatically distribute software updates, eliminating the time and cost associated with one-at-a-time device updates while ensuring consistent, current security across your network.

SECURE CONNECTIVITY

VPN-1 Edge protects the privacy of data communications with strong encryption and authentication. The appliance also supports multiple network topologies, as well as port-based and tag-based VLAN, to meet your business needs. Optionally, the appliance may be used as an internal VPN server, which adds encryption to your LAN, allowing internal LAN and wireless users to be strongly authenticated to the appliance and completely secured from unauthenticated or guest users.

Strong encryption and authentication

VPN-1 Edge adheres to the IPSec standard, automatically negotiating the use of the strongest possible encryption and data authentication algorithms. VPN-1 Edge can encrypt data using AES, 3DES, and DES algorithms and provides strong authentication by supporting industry-standard X.509 digital certificates. Optionally, through an easy-to-use wizard, the user can generate self-signed X.509 certificates directly from the local management interface. To further ease deployment, VPN-1 Edge can use digital certificates provided by the Check Point Internal Certificate Authority.

Multiple topology support

Some organizations prefer to deploy security in a hub-and-spoke topology, sending all traffic through a primary VPN gateway. VPN-1 Edge allows you to route all traffic, even Internet-bound traffic, through a central VPN-1 Pro gateway before being sent to its final destination. OPSEC-certified products such as antivirus or URL filtering can inspect traffic at the central site, removing the need to deploy such functionality to each site. For organizations that prefer to send traffic directly to the Internet, VPN-1 Edge also supports split tunneling.

Flexible VLAN support

VPN-1 Edge supports VLANs for increased security within the local network by segmenting the internal networks into several virtual networks. It enables nonintrusive deployment into an existing VLAN configuration. Port-based VLAN allows splitting the four LAN ports into four segmented networks. Tag-based VLAN allows the device to be connected to a switch via a VLAN trunk, thereby expanding port density.

NON-STOP CONNECTIVITY

Keeping your network up and running is critical to your business. VPN-1 Edge supports ISP redundancy, gateway high availability, and dialup backup to enable nonstop connectivity.

ISP redundancy

VPN-1 Edge supports ISP redundancy to ensure persistent connectivity. The DMZ port may be used as a secondary WAN port. When two different ISPs are connected to the appliance, VPN-1 Edge will automatically pick up the connection from the other ISP if one fails to deliver a connection.

Gateway high availability

VPN-1 Edge supports a backup ISP connection and automatic failover across two VPN-1 Edge gateways to provide always-on protection. High availability is supported for the WAN interfaces, allowing the primary and secondary appliances to share a single WAN IP address for virtually uninterrupted access from the Internet to internal servers at your network.

Dialup backup

VPN-1 Edge supports dialup backup, a cost-effective feature that provides a primary or secondary Internet connection. You simply connect a dialup modem (regular or ISDN) to the serial port of the VPN-1 Edge appliance. Using the dialup modem as a primary Internet connection is useful in locations where broadband Internet access is unavailable. VPN-1 Edge automatically dials the modem if it detects that the primary Internet connection has failed.

VoIP SUPPORT

VPN-1 Edge supports the H.323 and SCCP (Skinny) VoIP protocols, enabling mission-critical voice and data to be transmitted safely and reliably to and from your corporate network.

The screenshot shows the SmartLSM interface with two main sections:

Gateways List (513 Gateways)

Name	ID	Profile	Gateway S...	Policy Status	Pol...	Last Kno...	Policy Fetch...
Edge_0348	0.0.1.93	Edge_HighE...	OK	OK	Policy_1.07	226.216.169.153	15:05:45 2-Nov-04
Edge_0350	0.0.1.95	Edge_HighE...	OK	OK	Policy_1.07	232.116.228.58	15:05:46 2-Nov-04
Edge_0353	0.0.1.98	Edge_HighE...	OK	OK	Policy_1.07	242.158.252.43	15:05:47 2-Nov-04
Edge_0355	0.0.1.100	Edge_HighE...	OK	OK	Policy_1.07	249.58.183.204	15:05:48 2-Nov-04
Edge_0356	0.0.1.101	Edge_HighE...	OK	OK	Policy_1.07	252.72.21.28	15:05:48 2-Nov-04
Edge_0358	0.0.1.103	Edge_HighE...	OK	OK	Policy_1.07	194.228.207.189	15:05:49 2-Nov-04
Edge_0359	0.0.1.104	Edge_HighE...	OK	OK	Policy_1.07	190.114.172.13	15:05:50 2-Nov-04
Edge_0361	0.0.1.106	Edge_HighE...	OK	OK	Policy_1.07	204.14.231.174	15:05:51 2-Nov-04
Edge_0364	0.0.1.109	Edge_HighE...	OK	OK	Policy_1.07	214.56.254.159	15:05:52 2-Nov-04
Edge_0365	0.0.1.111	Edge_HighE...	OK	OK	Policy_1.07	199.111.188.67	15:05:53 2-Nov-04

Status View - Critical Notifications (4 Gateways)

Name	Updated	Gateway Status	Policy Status
Edge_0281	18:29:55 20-Apr-05	OK	
Edge_0282	18:29:55 20-Apr-05	OK	
Edge_0216	18:29:55 20-Apr-05	Not Responding	
Edge_0254	18:29:55 20-Apr-05	OK	

SmartCenter Pro includes SmartLSM for efficient deployment and management of hundreds of VPN-1 Edge gateways.

VPN-1 EDGE APPLIANCE SPECIFICATIONS		S8	X16	X32	XU	
Size	Total users	8	16	32	Unlimited	
Interfaces	4-port 10/100 LAN switch	✓	✓	✓	✓	
	10/100 WAN port	✓	✓	✓	✓	
	10/100 DMZ/WAN2 port	-	✓	✓	✓	
	Serial port	-	✓	✓	✓	
Firewall and Security Features	Performance	22 Mbps	80 Mbps	80 Mbps	150 Mbps	
	Concurrent connections	2,000	8,000	8,000	8,000	
	Stateful Inspection firewall	✓	✓	✓	✓	
	Denial of Service (DoS) protection	✓	✓	✓	✓	
	Anti-spoofing	✓	✓	✓	✓	
VPN	Performance (3DES)	3 Mbps	20 Mbps	20 Mbps	30 Mbps	
	Site-to-site IPSec VPN gateway	-	✓	✓	✓	
	Remote access IPSec VPN client	✓	✓	✓	✓	
	Remote access VPN gateway	1 user	10 users	15 users	25 users	
	Remote access from internal networks	-	✓	✓	✓	
	VPN-1 SecuRemote® client licenses	Included	Included	Included	Included	
	AES, 3DES, DES encryption	✓	✓	✓	✓	
	IPSec NAT traversal	✓	✓	✓	✓	
	Hardware random number generator	-	✓	✓	✓	
Networking	WAN access protocols	Static IP, DHCP, PPPoE, PPTP, Telstra				
	Static NAT	-	✓	✓	✓	
	Hide NAT	✓	✓	✓	✓	
	DHCP server	✓	✓	✓	✓	
	DHCP relay	✓	✓	✓	✓	
	Bandwidth management (QoS)	-	✓	✓	✓	
	Port-based VLAN support	-	✓	✓	✓	
	Tag-based VLAN support	-	✓	✓	✓	
	High Availability	Gateway high availability-ready	-	✓	✓	✓
		Supports backup VPN gateway at another site (MEP)	-	✓	✓	✓
Supports backup ISP (broadband)		-	✓	✓	✓	
Supports dial backup (requires external modem)		-	✓	✓	✓	
VPN User and Gateway Authentication	Site-to-site	-	Check Point Internal Certification Authority (Diffie-Hellman 1024-bit PKI) digital certificates, X.509 digital certificates or preshared secret			
	Remote access (to VPN-1 Pro)	RADIUS, RSA (SecureID), LDAP, MS ActiveDirectory, TACACS, XAUTH				
	Remote access (to VPN-1 Edge)	RADIUS or preshared secret				
	Certificate generation for remote access	-	✓	✓	✓	
Centralized Management Support	Management software	SmartCenter, SmartCenter Pro/SmartLSM, SmartCenter Express, SmartCenter Express Plus, Provider-1, SMP				
	Software updates	SmartUpdate				
	Reporting and monitoring	Eventia Reporter, SmartView Tracker, Syslog				
	Flexible security policy rule base definition	✓	✓	✓	✓	
Out-of-band Management	CLI via SSH	-	✓	✓	✓	
	CLI via serial port	-	✓	✓	✓	
	SNMP support	-	✓	✓	✓	
Local Web-based Management	Installation wizard	✓	✓	✓	✓	
	Firewall wizard	✓	✓	✓	✓	
	VPN wizard	✓	✓	✓	✓	
	Local logs	✓	✓	✓	✓	
	HTTPS remote access	✓	✓	✓	✓	
Other Hardware Specifications	Physical dimensions H x W x L	1.2 x 8 x 4.8 inches (3.0 x 20.3 x 12.2 cm)				
	Weight	1.8 lbs. (.82 kg)				
	Power	100-240 VAC, 50-60 Hz				
	Regulatory compliance	FCC Part 15 Class B, CE				
	Warranty	One-Year Hardware				

THE TECHNOLOGY INSIDE THE BOX

VPN-1 Edge is based on VPN-1 Embedded NG technology, which incorporates Check Point's market-leading firewall and VPN software optimized for embedded platforms. VPN-1 Embedded NG is developed by SofaWare® Technologies, a Check Point company.

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