Check Point®
SOFTWARE TECHNOLOGIES LTD.
We Secure the Internet.

Data Sheet

VPN-1 UTM Edge

Secure remote connectivity with unmatched scalability

YOUR CHALLENGE

In today's cost-conscious environment, companies are turning to the Internet to connect remote offices to applications, information, and other corporate resources. You need to efficiently deploy and manage tens, hundreds, or even thousands of VPN gateways—with limited IT staff. You need cost-effective, reliable security gateways that integrate into your infrastructure and protect against increasingly sophisticated Internet-based attacks.

OUR SOLUTION

Check Point's VPN-1® UTM™ Edge™ security appliances provide enterprises with secure connectivity for their remote sites. By delivering Check Point firewall, VPN, intrusion prevention, and antivirus technologies in a single solution, VPN-1 UTM Edge ensures remote sites stay as secure as the corporate site. To simplify security management for large remote site deployments, VPN-1 UTM Edge devices can be centrally managed alongside other Check Point security solutions. The Check Point SMART (Security Management Architecture) portfolio of management solutions enables IT administrators to apply a consistent security policy across remote sites with the same tools used to manage their main sites.

Reliable security for the network edge

To prevent remote offices from becoming security's weak links, VPN-1 UTM Edge appliances provide the same level of firewall, intrusion prevention, and antivirus protection relied on at the main campus. They secure all popular Internet services with Check Point's patented Stateful Inspection and Application Intelligence™ technologies. It supports 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. To ensure that remote offices stay secure,

NGX

The NGX platform delivers a unified security architecture for Check Point perimeter, internal, and Web security.

PRODUCT DESCRIPTION

VPN-1® UTM™ Edge™ appliances integrate firewall, VPN, intrusion prevention, and antivirus technologies into a single solution, enabling businesses to provide connectivity for their remote sites without compromising security. All VPN-1 UTM Edge gateways can be centrally deployed and managed with SmartCenter™ or Provider-1®, ensuring consistent policy management across both central and remote networks.

PRODUCT FEATURES

- Integrated firewall, VPN, intrusion prevention, and antivirus
- Centralized, large-scale management
- Comprehensive High Availability support out-of-the-box

PRODUCT BENEFITS

- Provides highest level of security
- Simplifies deployment and management
- Reduces network downtime at remote sites

NGX HIGHLIGHTS

- Unified management
- Automatic, centralized security updates
- Dynamic routing support

Intelligent Security

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

VPN-1 UTM Edge appliances include port-based authentication. Administrators can require employees to authenticate against a RADIUS server before gaining network access, quarantining them if authentication fails.

Preemptive defenses against attacks

VPN-1 UTM Edge includes SmartDefense™, Check Point's integrated intrusion prevention technology, to provide preemptive network- and application-layer security for remote sites. This ensures that remote sites are protected from worms, viruses, DoS and DDoS assaults, and other known and unknown attacks. SmartDefense prevents worms and viruses from entering the network and minimizes the need to invest in standalone intrusion prevention systems (IPS) at the edge of the network. With the SmartDefense Wizard, administrators can ensure correct configuration simply and effectively.

Integrated gateway antivirus for maximum protection

VPN-1 UTM Edge includes integrated gateway antivirus protection to provide an extra layer of defense by blocking worms and viruses disguised in emails, executables, and other files before they can enter the network. And it enables streaming antivirus protection that can accommodate files of unlimited size without affecting network performance. Remote sites automatically receive antivirus signature updates, keeping security current.

Automatic security updates

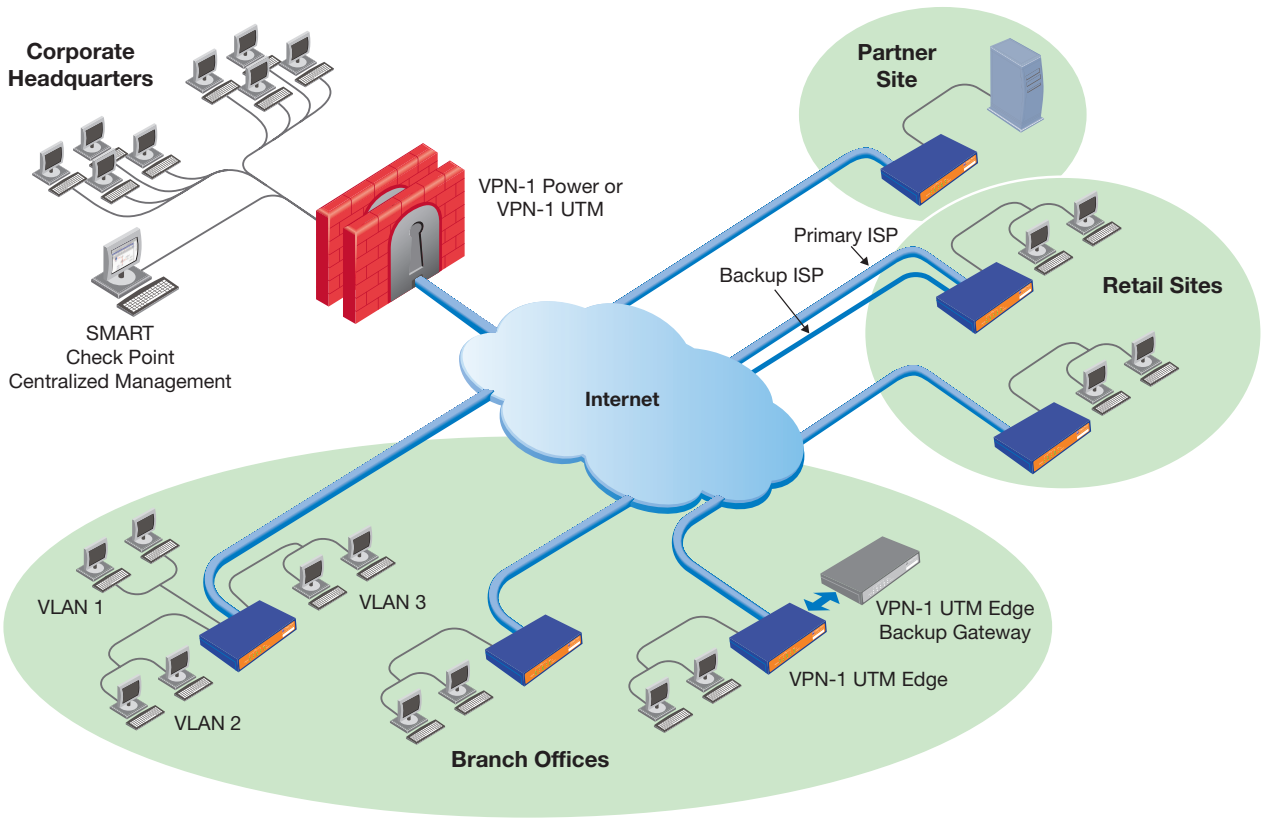
To help companies stay continuously ahead of today's constantly evolving threats, SmartDefense Services provide ongoing, real-time security updates and configuration advisories for VPN-1 UTM Edge appliances. SmartDefense Services also update intrusion prevention and antivirus security.

REMOTE SITE CONNECTIVITY

With corporations turning to virtual private networks (VPNs) to link remote offices for information access or VoIP, VPN-1 UTM Edge ensures communications privacy with IPSec VPN that offers strong encryption and authentication.

Simple VPNs

Check Point simplifies VPN setup with VPN communities, enabling organizations to add new sites easily with reduced deployment time and errors. By defining a VPN community, organizations can quickly configure all gateways within a VPN in one step. The security administrator simply adds a VPN-1 UTM Edge gateway to a community, and it immediately establishes VPNs with all other community members without any administrator intervention.



VPN-1 UTM Edge security appliances provide distributed enterprises with secure connectivity for their remote sites, such as branch offices, retail stores, and partner sites, and can be centrally managed by Check Point SMART management.

Dynamic networks, easy deployment

For large organizations with complex networks, VPN-1 UTM Edge supports Open Shortest Path First (OSPF) dynamic routing. This enables easy deployment across multiple remote sites and reduces the configuration cost of keeping remote sites current with frequent corporate network changes. Dynamic routing enables route-based VPNs—a simpler method of defining site-to-site VPNs. Route-based VPNs make encryption decisions based on routing tables, providing flexibility in ever-changing networks.

SMART MANAGEMENT

To reduce the management costs involved in remote offices, VPN-1 UTM Edge appliances can be centrally managed by Provider-1 or SmartCenter. These management products allow you to centrally define a security policy across your entire network—main sites, remote sites, SSL VPNs, and internal security—all via SmartDashboard™, the central console for managing Check Point security solutions. This unified security architecture reduces the complexity of security audits by providing a single place for all security information.

Companies that need to provision security to hundreds or thousands of remote sites without increasing the management cost can turn to Smart Large-Scale Manager (SmartLSM™), part of SmartCenter Pro™. With centralized profile-based management, SmartLSM enables security administrators to define a single security profile and apply it simultaneously to thousands of VPN-1 UTM Edge appliances.

Provider-1 addresses the requirements of organizations that must manage multiple policies within their environments—such as a service provider or a large global enterprise. For service providers, it consolidates and centralizes management for thousands of customers. For enterprise network operations centers, it can simplify a complex security policy by segmenting it into manageable subpolicies for geographic, functional, or other groupings.

Centrally managed software updates

SmartUpdate™, available with SmartCenter Pro or as an optional module, helps you centrally manage software upgrades and licenses. It ensures that security is always current by automating the delivery and installation of security for remote sites. This provides greater control and efficiency over a distributed security architecture while dramatically decreasing maintenance costs of managing global security installations.

AROUND-THE-CLOCK BUSINESS CONTINUITY

Keeping your network up and running is critical to your business. VPN-1 UTM Edge supports multiple High Availability options out-of-the-box to reduce network downtime for remote sites. The device also supports Quality of Service (QoS) management to enable business-critical traffic to be transmitted quickly and reliably through the network.

High Availability

VPN-1 UTM Edge supports ISP redundancy to ensure persistent connectivity. The DMZ port may be used as a secondary WAN port. Automatic failover is also supported across two VPN-1 UTM Edge gateways. And there is support for dialup backup, a cost-effective feature that provides either a primary or a secondary Internet connection in case the primary broadband connection goes down.

Integrated Quality of Service

QoS is important for remote sites where business-critical traffic, such as VPN or VoIP traffic, is competing with noncritical traffic over a single ISP connection. VPN-1 UTM Edge includes comprehensive traffic 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.

VPN-1 UTM EDGE APPLIANCES

VPN-1 UTM Edge X appliances support wired LANs, and VPN-1 UTM Edge W appliances support both wired and wireless LANs. The VPN-1 UTM Edge W appliances provide all the security, connectivity, advanced networking, and comprehensive management features of VPN-1 UTM Edge and add an integrated secure wireless access point. Both VPN-1 UTM Edge X and W appliances can be purchased with an integrated ADSL modem.

THE TECHNOLOGY INSIDE THE BOX

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

SofaWare Embedded

VPN-1 UTM EDGE APPLIANCE SPECIFICATIONS

	X8	X16	X32	XU
Size				
Total users	8	16	32	Unlimited
Interfaces				
Four-port 10/100 LAN switch	✔	✔	✔	✔
10/100 WAN port	✔	✔	✔	✔
10/100 DMZ/WAN2 port	✔	✔	✔	✔
Serial port	✔	✔	✔	✔
Optional ADSL modem	✔	✔	✔	✔

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	X8	X16	X32	XU
Firewall and security features				
Performance	80 Mbps	80 Mbps	80 Mbps	150 Mbps
Concurrent connections	8,000	8,000	8,000	8,000
Stateful Inspection firewall	✔	✔	✔	✔
SmartDefense	✔	✔	✔	✔
Application Intelligence	✔	✔	✔	✔
Port-based and tag-based VLAN support	✔	✔	✔	✔
Denial of Service (DoS) protection	✔	✔	✔	✔
Anti-spoofing	✔	✔	✔	✔
Gateway antivirus				
Integrated antivirus support	✔	✔	✔	✔
Supported protocols	IMAP, NUR FTP, NBT, POP3, SMTP, user-defined TCP and UDP ports			
On-the-fly decompression	✔	✔	✔	✔
Centralized email antivirus*	POP3, SMTP			
VPN				
Performance (3DES)	20 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
MS, 3DES, DES encryption	✔	✔	✔	✔
IPSec NAT traversal	✔	✔	✔	✔
Hardware random number generator	✔	✔	✔	✔
Networking				
WAN access protocols	DHCP, PPPoE, PPTP, Static IP, Telstra			
Static NAT	✔	✔	✔	✔
Hide NAT	✔	✔	✔	✔
DHCP server, client, and relay	✔	✔	✔	✔
Dead Internet connection detection	✔	✔	✔	✔
OSPF dynamic routing	✔	✔	✔	✔
Bandwidth management (QoS)	✔	✔	✔	✔
High Availability				
Gateway High Availability-ready	✔	✔	✔	✔
Supports backup VPN gateway at another site (MEP)	✔	✔	✔	✔
Supports backup ISP (broadband)	✔	✔	✔	✔
Supports dial backup (requires external modem)	✔	✔	✔	✔
Automatic failover	✔	✔	✔	✔
VPN user and gateway authentication				
Site-to-site	Check Point Internal Certification Authority (Diffie-Hellman 1,024-bit PKI) digital certificates, X.509 digital certificates, or preshared secret			
Remote access (to VPN-1 Power)	LDAP, MS ActiveDirectory, RADIUS, RSA SecurID, TACACS, XAUTH			
Remote access (to VPN-1 UTM Edge)	Preshared secret or RADIUS			
Certificate generation for remote access	✔	✔	✔	✔
Centralized management support				
Management software	Provider-1, SmartCenter, SmartCenter Pro/SmartLSM, SmartCenter Express, SmartCenter Express Plus, SMP			
Software updates	SmartUpdate			
Reporting and monitoring	Eventia Reporter, SmartView Monitor, SmartView Tracker, Syslog			
Local Web-based management				
Installation wizard	✔	✔	✔	✔
Firewall wizard	✔	✔	✔	✔
VPN wizard	✔	✔	✔	✔
Local logs	✔	✔	✔	✔
HTTPS remote access	✔	✔	✔	✔
Additional management options				
CLI via SSH	✔	✔	✔	✔
CLI via serial port	✔	✔	✔	✔
SNMP support	✔	✔	✔	✔
Other hardware specifications				
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 (0.82 kg)			
Power	100-240 VAC, 50-60 Hz			
Regulatory compliance	FCC Part 15 Class B, CE			
Warranty	One-year hardware			

*Requires SmartCenter or SMP management software.

May 5, 2006 P/N 502125

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