



Network Security

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

UTM-1 Edge

The security you need. The simplicity you want.

YOUR CHALLENGE

Constantly changing threats and new security challenges make it increasingly difficult to keep your network safe. New security products, organizational security policies, and regulatory compliance requirements, have dramatically raised the complexity and, more important, the cost of securing your network and users. This is especially challenging when trying to establish secure and reliable communication with your organization's remote offices such as retail outlets, branch and satellite offices, and broadband teleworkers.

OUR SOLUTION

UTM-1™ Edge appliances deliver proven, tightly integrated security features to ensure remote sites remain as secure as larger corporate sites. UTM-1 Edge includes a complete set of security features including firewall, intrusion prevention, antivirus, as well as secure site-to-site and remote access connectivity. For large scale deployments, UTM-1 Edge seamlessly integrates with Check Point's SMART management solutions to greatly simplify security management.

THE SECURITY YOU NEED

Proven network protection and control

Based on the same Check Point technologies that secure the Fortune 100, UTM-1 Edge appliances include the industry's most proven firewall, supporting hundreds of applications, protocols, and services out-of-the-box. Broad application and protocol support provides comprehensive access control across the network, including the ability to block non-business related applications such as Instant Messaging (IM) and Peer-to-Peer (P2P) applications. UTM-1 Edge appliances also include Check Point's SmartDefense intrusion prevention technology to ensure remote sites are protected from known and unknown attacks.

Streaming Gateway Antivirus

UTM-1 Edge appliances come equipped with integrated gateway antivirus to provide an extra layer of protection by blocking worms and viruses before they can enter the network. This provides the ability to scan email (POP3, IMAP, and SMTP), FTP, and Web (HTTP) traffic, along with other protocols for possible threats. There is no limitation on the file size being scanned and it supports on-the-fly file decompression.

PRODUCT DESCRIPTION

Based on proven Check Point security technologies, UTM-1 Edge appliances combine firewall, intrusion prevention, antivirus, as well as secure site-to-site and remote access connectivity, to ensure remote sites stay just as secure as larger corporate sites.

PRODUCT FEATURES

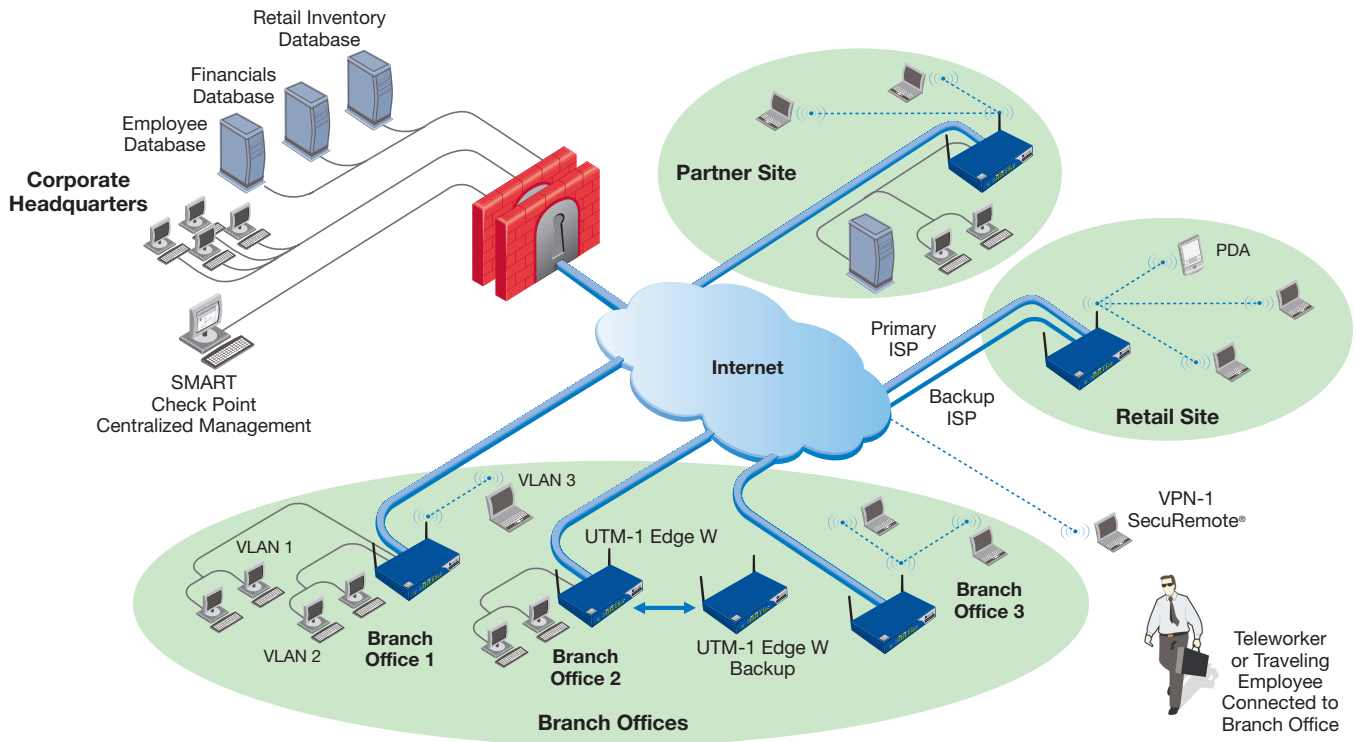
- Industry's most proven firewall
- Robust IPSec VPN for secure site-to-site connectivity and remote access
- Integrated intrusion prevention
- Streaming gateway antivirus
- Wireless LAN support and optional integrated high-speed ADSL modem
- SMART management compatible for centralized, large-scale management

PRODUCT BENEFITS

- Ensures remote sites remain as secure as larger corporate sites
- Provides peace of mind with proven security technologies trusted by the Fortune 100
- Streamlines security deployment and administration
- Simplifies WLAN deployment and management

NGX™

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



Simple site-to-site connectivity

UTM-1 Edge ensures communications privacy, with IPSec VPN functionality that offers strong encryption and authentication. With corporations turning to VPNs to link remote offices for information access or VoIP, UTM-1 Edge appliances can be easily added to existing VPN communities. For large organizations with complex networks, OSPF dynamic routing is supported. Route-based VPNs make encryption decisions based on routing tables, providing the flexibility needed in ever-changing networks.

Secure, flexible remote access

UTM-1 Edge appliances provide an ideal way for employees and business partners to connect to the trusted network, by providing IPSec VPN connectivity with support for various VPN clients, including Check Point's SecuRemote SecureClient, as well as L2TP VPN clients.

Network Access Control

Support for 802.1x port-based authentication. Enables organizations to control network access at branch offices based on endpoint security policy compliance and user access privileges.

THE SIMPLICITY YOU WANT

Quick Setup

UTM-1 Edge appliances can be set up in less than 10 minutes, offering truly simple deployment to sites that have minimal IT resources. Even non-technical staff can easily perform initial setup and configuration.

SMART Management Compatible

UTM-1 Edge appliances are fully compatible with Check Point's industry-leading SMART management solutions (SmartCenter, SmartLSM, Provider-1). SmartDashboard™, the central console for managing Check Point security solutions, allows you to centrally define a security policy for your entire network, including internal security, main sites, and remote sites. This unified security architecture reduces the complexity of security audits by providing a single place for all security information. With centralized profile-based management, SmartLSM™ enables you to define a single security profile and apply it simultaneously to thousands of UTM-1 Edge appliances. Provider-1 addresses the requirements of organizations that must manage multiple policies within their environments—such as large global enterprises or service providers. For enterprise network operations centers, it can simplify a complex security policy by segmenting it into manageable subpolicies for functional, geographic or other groupings. For service providers, it consolidates and centralizes management for thousands of customers.

Centralized, automatic Updates

To maintain a preemptive security environment and ensure networks stay safe from new attacks, optional SmartDefense Services provide ongoing and automatic updates to defenses, policies, and other security elements. Updates can be downloaded automatically and distributed to remote locations at preset intervals.

Integrated ADSL modem

UTM-1 Edge appliances are also available with integrated, high-speed ADSL modems, which eliminate the need for external ADSL modems and provide administrators with simple deployment options. It supports the latest ADSL standards, including ADSL v2/2+, and is available with Annex A and Annex B standards.

Superior wireless connectivity

UTM-1 Edge W appliances integrate a WiFi access-point (802.11b/g) supporting multiple security protocols, including 802.1x, IPSec over WLAN, RADIUS, WEP, WPA and WPA2 authentication. They also have dedicated WLAN interfaces from which you can set specific security rules for WLAN segments. This protects wireless interfaces by granting access only to authorized users, thereby preventing hackers from attacking corporate applications or resources. In addition, the wireless interface can be segmented into as many as four virtual access points, each with separate security policies and encryption methods.

Hot spot support

UTM-1 Edge appliances can be used to create guest access networks by setting up hot-spot networks. Administrators can easily require Web-based user authentication or terms-of-use approval prior to providing network access. This enables convenient, yet controlled access for guest users, without compromising corporate resources.

Wireless roaming

The Wireless Distribution System (WDS) links, available from UTM-1 Edge W appliances, allow wireless clients to seamlessly connect to other UTM-1 Edge wireless devices and standards based access points, without changing the client IP address. The access points can be interconnected by

WDS links or by traditional wired Ethernet connections. WDS links can also be used to create loop-free topologies (such as stars or trees of access points), and redundant topologies (such as loops or meshes of linked access points), with bridge mode and Spanning Tree Protocol.

PERFORMANCE AND AVAILABILITY

UTM-1 Edge appliances include key high-availability and Quality of Service features, ensuring that your security keeps pace with network- and business-critical applications.

UTM-1 Edge appliances support WAN redundancy and load-balancing to ensure persistent connectivity and service availability. Dialup backup is also supported, providing either a primary or a secondary Internet connection if the primary broadband connection is not available. UTM-1 Edge appliances also provide complete support for PSTN and ISDN, as well as a wide variety of 3G cellular modems. Out-of-bound dial-in is also supported, to ensure access to the appliance even in case the Internet connection fails. Automatic failover is supported across multiple appliances (high-availability), to guarantee around-the-clock availability.

Integrated Quality of Service

Network QoS is important where business-critical traffic, such as VoIP or VPN traffic, is competing with noncritical traffic over a single internet connection. UTM-1 Edge appliances include a comprehensive traffic management system that offers weighted priorities, bandwidth guarantees, and bandwidth limits. These allocate connectivity resources as predefined by business priorities and goals. Additionally, UTM-1 Edge W appliances are the only remote office solutions that support Wireless Multimedia QoS, which prioritizes multiple types of traffic flow from different applications— such as audio, video, and voice— under various environmental and traffic conditions.

UTM-1 EDGE APPLIANCE SPECIFICATIONS				
	X8/W8	X16/W16	X32/W32	XU/WU
Users	8	16	32	Unlimited
Firewall Throughput	190 Mbps			
VPN Throughput	35 Mbps			
Concurrent Sessions	8000			
10/100 Interfaces	4			
Serial Port	✓			
USB Port	✓*			
Firewall & Security Features				
Firewall	Check Point Stateful Inspection with Application Intelligence			
SmartDefense IDS/IPS	✓			
Instant Messenger Blocking/Monitoring	✓			
P2P File Sharing Blocking/Monitoring	✓			
Port-based Security (802.1x Network Access Control)	✓			
Port-based and Tag-based VLANs	✓			
Gateway Antivirus	HTTP, FTP, NBT, POP3, IMAP, SMTP, User-defined TCP and UDP Ports			
VPN				
Remote access users	1	10	15	25
Remote Access Client Software	Check Point VPN-1® SecuRemote™ (included) / L2TP IPSEC VPN Client			
VPN Tunnels	100			
Remote Access VPN Client	✓			
Remote Access VPN Server	IPSec and L2TP			
OfficeMode	✓			
IPSEC Features	Hardware accelerated DES, 3DES, AES, MD5, SHA-1, Hardware Random Number Generator (RNG), Internet Key Exchange (IKE), Perfect Forward Secrecy (PFS), IPSEC Compression, IPSEC NAT Traversal (NAT-T)			
Route-Based VPN	✓			
Authentication Methods	Digital Certificates or Pre-Shared Secret			
Clientless Remote Desktop	✓			
L2TP VPN Server	✓			

Networking		
WAN access protocols	Static IP, DHCP, PPPoE, PPTP, Telstra ADSL models: Static IP, DHCP, PPPoE, PPTP, Telstra, PPPoA, EoA, IPoA	
ADSL Supported Standards**	ADSL2, ADSL2+, T.1413 G.DMT (G.992.1) G.Lite (G.992.2). Available in models: ANNEX A (ADSL over POTS), ANNEX B (ADSL over ISDN)	
Network Address Translation	✓	
DHCP Server, Client and Relay	✓	
DHCP Leases	200	
Dead Internet Connection Detection (DCD)	✓	
Policy Based Routing	✓	
Dynamic Routing	✓	
Transparent Bridge Mode	✓	
Backup VPN Gateways (MEP)	✓	
Backup ISP/WAN Load Balancing	✓	
Dialup Backup (Requires External Modem)	Yes: With External USB*/Serial Modem	
Physical Specifications		
Dimensions (HxWxD)	20.32 x 3.05 x 12.19 cm (8' x 1.2' x 4.8')	
Weight	0.7 kg (1.56 lbs)	
Operating Environmental Range	Temperature	Operational: 0°C - 40°C Storage/Transport: -5°C - 80°C
	Humidity	10% - 90% (non-condensed)
Power	100-240 VAC, 50-60 Hz (Depending on Country)	
MTBF	68,000 Hours	
Regulatory compliance	FCC Part 15 Class B, CE	
Warranty	1 year	

Wireless LAN (UTM-1 Edge W)	
Wireless protocols	IEEE 802.11b, 802.11g, Super G***
Wireless Security	802.1x, IPsec over Wireless, MAC address filtering, WEP, WPA, WPA2, WPA-PSK
Wireless range (Standard Mode)	Up to 100 meters indoors/Up to 300 meters outdoors****
Wireless Range (Extended Range mode****)	Up to 300 meters indoors/ Up to 1 kilometer outdoors****
Wireless Distribution System (WDS)	✓
Multiple Access Points	✓
Dual Diversity Antennas	✓
Wireless Multimedia QoS (WMM)	✓
Hot spot mode	✓

** Available in the following models: UTM-1 Edge X ADSL, UTM-1 Edge W, UTM-1 Edge W ADSL

**Applies for the ADSL models only: UTM-1 Edge X ADSL, UTM-1 Edge W ADSL

***Super G and XR modes require Super G- and XR-enabled wireless network adapters.

****Environmental factors may lower actual range.

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