Embedded Firewall Products—Competitive Security Guide

The 3Com® Embedded Firewall solution extends hardware-enforced, centrally administered firewall protection to systems inside and outside the perimeter—even remote systems connected to someone else's LAN.

3Com Product Name	Features	Benefits	3Com Product Number
3Com Embedded Firewall Policy Server **3Com Embedded Firewall Starter Policy Server**	End-to-end solution	Extends centrally administered firewall protection to systems across the enterprise—regardless of whether they're located inside or outside the perimeter; deploys centrally configured security policies to firewall-client devices across the organization	**3CR010PS-1-97B** 3Com Embedded Firewall Policy Server
	Centralized management	Streamlines and automates security administration; enables quick response to network attacks; prevents security from being modified or disabled at the host	**3CR010STRPS-1-97B** 3Com Embedded Firewall Starter Policy Server
	24x7 intrusion prevention	Adds around-the-clock protection against unauthorized network access; automatically enforces no ping/no spoofing policies and blocks unneeded ports or protocols	
	Cost-effective scalability	Lets security administrators distribute and build the configuration they want—when and where it's needed; full policy server (3CR010PS-1-97B) supports 1,000 clients, starter policy server (3CR010STRPS-1-97B) supports 10 clients	
	Defense in depth	Complements perimeter firewalls, Internet gateways, web filters, intrusion detection systems (IDS), and network agents; helps reduce false alerts from IDS-monitoring; extends hardware-enforced firewalls to internal, shared, and remote systems	
3Com Firewall Server PCI Card with 10/100 LAN **3Com Firewall Desktop PCI Card with 10/100 LAN**	Inside-the-perimeter solution	Secures high-risk connections located inside the perimeter firewall—including e-commerce and web servers, customer databases, DMZ servers, shared servers, internal VPN end points, broadband gateways, and public or guest workstations	**3CRFW300** 3Com Firewall Server PCI Card with 10/100 LAN
	Hardware-based tamper-resistance	Embeds firewall functionality into PCI card hardware, making security virtually tamper-proof; unlike software-based products, operates transparently to host OS and end users	**3CRFW200** 3Com Firewall Desktop PCI Card with 10/100 LAN
	24x7 telecommuter protection	Continuously safeguards residential broadband Internet access with minimal administrative or user intervention; secures remote VPN end points so that hackers can't piggyback secure tunnels into the network	
	Centralized management	Prevents security from being modified or disabled at the host; firewall cards only accept instructions from authenticated policy servers and will fall back to a preconfigured default policy if unable to establish communications	
	Cost-effective scalability	Easily matches growing or changing security requirements; once policy server is installed, simply add firewall cards to individual systems as needed; supports PCI-bus servers and desktops	
	Defense in depth	Delivers superior tamper-resistance over software firewalls and faster performance than telecommuter appliances; complements perimeter firewalls, Internet gateways, web filters, IDS, and network agents	
	Security processor	Reduces CPU loads for enhanced system performance; 125 Mhz RISC offloads TCP/IP and IPSec processing (Windows 2000 and XP only) and firewall filtering	
3Com Firewall PC Card with 10/100 LAN, Type III **3Com Firewall PC Card with 10/100 LAN, Type II**	Mobile notebook solution	Guards mobile notebooks—even when connected to someone else's LAN; remote awareness feature automatically detects whether it's connecting inside or outside the perimeter and enforces the appropriate security policy	**3CRFW103** 3Com Firewall PC Card with 10/100 LAN, Type III
	Hardware-based tamper-resistance	Embeds firewall functionality into PC Card hardware, making security virtually tamper-proof; unlike software-based products, firewall operates transparently to host OS and end users	**3CRFW102** 3Com Firewall PC Card with 10/100 LAN, Type II
	On-the-road protection	Continuously safeguards hotel or airport broadband Internet access with minimal administrative or user intervention; secures remote VPN end points so that hackers can't piggyback secure tunnels into the network	
	Centralized management	Prevents security from being modified or disabled at the host; firewall cards only accept instructions from authenticated policy servers and will fall back to a preconfigured policy if unable to establish communication	
	Cost-effective scalability	Easily scales security to match growing or changing needs; once policy server is installed, simply add firewall cards to individual systems as needed; supports PC Card CardBus notebooks with Type III or Type II slots	
	Defense in depth	Delivers superior tamper-resistance over software firewalls and faster performance than telecommuter appliances; complements perimeter firewalls, Internet gateways, web filters, IDS, and network agents	
	Security processor	Reduces CPU loads for enhanced system performance; 100 Mhz RISC offloads TCP/IP and IPSec processing (Windows 2000 and XP only) and firewall filtering	

Why 3Com Security?

Industry standard-based components that interoperate with standard-compliant infrastructures, enabling customers to secure their network environment within an open architecture

Solution-focused, end-to-end security products that help ensure customers get the right device-, appliance-, or security-functionality and easy integration

Convergence-ready solutions that leverage customers' existing IT investments by securing voice, data, and wireless networks across the organization

Edge and mobile client-side security that is managed as an extension of the corporate network; a requirement for today's "corporations without walls"

High-availability networking that supports resilient technologies—including 3Com XRN™ LAN switching fabric—to ensure business continuity

Perimeter Firewalls and Filters—Competitive Security Guide

3Com® perimeter firewalls and filters deliver a critical first line of defense against network attacks and unauthorized access. With hardware backed by a Limited Lifetime Hardware Warranty, they cost-efficiently secure Internet connections for small-, medium-, and enterprise-sized networks.

3Com Product Name	Features	Benefits	3Com Product Number
3Com SuperStack® 3 Firewall **3Com SuperStack 3 Firewall Web Site Filter**	Affordable enterprise solution	Provides ICSA-certified, stateful packet-inspection perimeter firewall, hardware-based VPNs, and DMZ port; configurable as a separately secured network; costs significantly less than other enterprise products; includes Limited Lifetime Hardware Warranty and SafeNet VPN unlimited-client license	**3CR16110-95** 3Com SuperStack 3 Firewall **3CR16111** 3Com SuperStack 3 Firewall Web Site Filter
	Scalable, fast performance	Supports unlimited number of LAN users; delivers 190 Mbps aggregated firewall throughput and 45 Mbps 3DES/DES IPSec VPN performance	
	High availability	Included as standard feature; enables two firewalls to be deployed in a resilient configuration	
	Bandwidth shaping	Permits mission critical traffic to take precedence over non-essential applications	
	Acceptable Internet-usage control	Polices inappropriate web sites by URL or keyword; blocks Java, ActiveX and cookies; optional web site filter service (3C16111) controls content for 12 categories; automatically updates lists on a regular basis, to keep up with new web site launches	
	Integrated VPN hardware	Provides site-to-site secure connections and remote VPN client access; supports up to 1,000 simultaneous VPN tunnels; supports L2TP and 3DES/DES IPSec using native Microsoft VPN clients—without requiring 3rd-party software	
	Secure management	Supports HTTPS management—providing secure firewall management from anywhere in the world, using a standard web browser	
	Real-time alerting	Tracks and logs Internet usage, suspicious activity, and network intrusions; provides details for policy configuration	
3Com OfficeConnect® Cable/DSL Secure Gateway **3Com OfficeConnect Internet Firewall DMZ** **3Com OfficeConnect Internet Firewall 25** **3Com OfficeConnect Web Site Filter** **3Com OfficeConnect VPN Upgrade for Internet Firewall**	Economical, upgradable SOHO solution	Provides economical perimeter firewall—with optional VPNs and list-based web filtering available; blocks DoS and other hacker attacks that cause network slowdowns or downtime; enables secure remote access without exposing the network to attack	**3CR856-95-US** 3Com OfficeConnect Cable/DSL Secure Gateway **3C16771-US** 3Com OfficeConnect Internet Firewall DMZ **3C16770-US** 3Com OfficeConnect Internet Firewall 25 **3C16772** 3Com OfficeConnect Web Site Filter **3CR16773-93** 3Com OfficeConnect VPN Upgrade for Internet Firewall
	OfficeConnect brand	Ranked #1 for small-business networking solutions by major analysts such as AMI Partners, Inc. (November 2002), Cahners In-Stat (November 2001), and Dell'Oro Group (February 2002)	
	High-performance firewall	Supports up to 253 users (3CR856-95); delivers up to 22 Mbps throughput; includes stateful packet-inspection firewall and standards-based VPN	
	Multiple VPN protocol support	Supports 3DES/DES, IPSec, PPTP, and L2TP/IPSec (3CR856-95); maximizes flexibility when securing remote connections for native Windows VPN clients; no 3rd-party software needed	
	High-capacity VPNs	Support up to 30 simultaneous VPN tunnels; provide maximum throughputs of 10 Mbps DES and PPTP, 8 Mbps 3DES, and 6 Mbps L2TP	
	Web filtering	Blocks access to offensive or inappropriate Internet sites by domain name, keywords; blocks cookies, Java, ActiveX; supports user authentication for web browsing	
	Optional software upgrades	Add list-based web filtering (3C16772) and IPSec VPN capabilities (3C16773-93) to OfficeConnect Internet Firewalls (3C16771, 3C16770)	
	Real-time alerting	Tracks/logs Internet usage, suspicious activity, and network intrusions; provides details for policy configuration	
	Plug-and-play installation	Includes "Getting Started" wizard for guided installation and intuitive browser-based management interface for easy firewall administration	
	Standards compliance	IEEE 802.3, ISO88023, TCP/IP, DHCP, NAT, IPSec, PPTP, L2TP, ARC4, 3DES, DES, MD-5	
3Com OfficeConnect Wireless Cable/DSL Gateway **3Com OfficeConnect Cable/DSL Gateway**	Convenient base solution	Provides an Internet sharing gateway, Fast Ethernet switch, and firewall in one, easy-to-use appliance; can be deployed as a stand-alone device or tied into an existing network	**3CRWE52196** 3Com OfficeConnect Wireless Cable/DSL Gateway **3C857** 3Com OfficeConnect Cable/DSL Gateway
	OfficeConnect brand	Ranked #1 for small-business networking solutions by major analysts such as AMI Partners, Inc. (November 2002), Cahners In-Stat (November 2001), and Dell'Oro Group (February 2002)	
	Internet sharing	Leverages a single cable or DSL connection for up to 253 Internet users; Wi-Fi version also supports up to 32 wireless users (3CRWE52196)	
	Fast Ethernet switching	Includes four 10/100 Mbps, RJ-45 LAN ports for creating a small-office LAN	
	Integrated firewall	Includes 128-bit WEP encryption (3CRWE52196 only), hacker pattern detection, NAT, PAT; allows PPTP and IPsec pass-through	
	Easy configuration and management	Includes installation and device-discovery wizards, preset default settings, browser-based interface, save-and-restore configuration files, support for remote management	

← 3COM TOTAL NETWORK SECURITY SOLUTION →

Security Requirements	Client Devices	LAN Switching Fabric	Perimeter Firewall/Gateway	Site-to-Site/Remote Access	Management
Level 3: Security Conscious • For enterprise networks that require centrally controlled, high security solutions • Targets all network segments (desktop, WLAN, WAN, remote) and traffic streams (voice, data, video) • Must work with network management platforms	• NBX® Networked Telephony System • WLAN PC Card • 10/100/1000 NIC • Embedded Firewall	• Access Point 8000 • SuperStack 3 Switch 4400/4900 • SuperStack 3 Switch 4060/4005 • SuperStack 3 Switch 4007R • Embedded Firewall	• NBX Networked Telephony System • SuperStack 3 Firewall • Embedded Firewall	• OfficeConnect Secure Cable/DSL Gateway • Embedded Firewall	• Network Supervisor • RADIUS Server • Embedded Firewall
Level 2: Security Aware • For security aware SOHO and small-business environments • For enterprise segments that require limited control of network security • Targets primarily wireless and firewall/WAN access	• NBX Networked Telephony System • WLAN PC Card • Embedded Firewall	• Access Point 6000 • Building-to-Building Bridge • Workgroup Bridge • Embedded Firewall • OfficeConnect Wireless Cable/DSL Gateway • SuperStack 3 4400 SE/4200 • SuperStack 3 Switch 4005	• NBX Networked Telephony System • SuperStack 3 Firewall • OfficeConnect Internet Firewall • OfficeConnect Cable/DSL Secure Gateway • Embedded Firewall	• OfficeConnect Cable/DSL Secure Gateway • Embedded Firewall	• Network Supervisor • Embedded Firewall
Level 1: Security Neutral • For most SOHO and small-business environments • For enterprise segments without significant security requirements	• NBX Networked Telephony System • WLAN PC Card	• Basic Hub/Switch • Access Point 2000 • OfficeConnect Wireless Cable/DSL Gateway • OfficeConnect Cable/DSL Gateway	• NBX Networked Telephony System • OfficeConnect Wireless Cable/DSL Gateway • OfficeConnect Cable/DSL Gateway	• OfficeConnect Wireless Cable/DSL Gateway • OfficeConnect Cable/DSL Gateway	