BLACK BOX®
NETWORK SERVICES

CISCO FIREWALL FEATURE SET

Key Features

▶ **Add extensive firewall capabilities to your Cisco IOS software.**

▶ **Enhance network security with real-time security capabilities.**

▶ **Protection from denial-of-service attacks.**

▶ **Optional support for virtual private networks.**

▶ **Application-based filtering.**

▶ **Dynamic per-user authentication and authorization.**

▶ **Protection for e-mail servers.**

▶ **Perimeter security.**

The Cisco IOS Firewall Feature Set is a security-specific option for the Cisco Series 800 Router with Cisco IOS software. Use it along with your Cisco IOS software to configure a Cisco 800 Series router as a firewall.

The Cisco Firewall Feature Set operates seamlessly with Cisco IOS software. It enriches existing Cisco IOS security capabilities by adding firewall functionality and intrusion detection for every perimeter of the network. It includes application-based (Layer 4) filtering, dynamic per-user authentication and authorization, defense against network attacks, Java™ blocking, and real-time alerts. Installed on a Cisco router, it performs multiprotocol routing, perimeter security, intrusion detection, VPN functionality (optional), and per-user authentication and authorization.

Cisco Firewall Feature Sets with IPSec support Virtual Private Networks (VPNs). VPNs provide extremely secure, low-cost transmissions over public networks and ensure that mission-critical application traffic receives high-priority delivery.

The Firewall Feature Set is easy to manage, too. With Cisco ConfigMaker software, you can configure Cisco IOS security features (including the Cisco IOS Firewall, Network Address Translation, and Cisco IPSec) from a central console over the network.

Context-Based Access Control (CBAC)

The Cisco IOS Firewall CBAC engine provides secure, application-specific access control across network perimeters (for example, between private enterprise networks and the Internet.)

CBAC enhances security for TCP and user datagram protocol (UDP) applications such as file transfer protocol (FTP) and e-mail traffic. CBAC lets tightly-secured networks run today's advanced applications such as multimedia and video conferencing securely through a router.

CBAC is a per-application control mechanism for IP traffic including standard TCP and UDP Internet applications, multimedia applications (including H.323 and other video applications), and Oracle databases.

This version (12.0[5]) of the Cisco Firewall Set for 800 Series Routers includes the following features:

- Java blocking.
- Denial-of-Service detection and prevention.
- Dynamic port mapping.
- SMTP attack detection and prevention. Intrusion detection protects e-mail servers specifically against Simple Mail Transfer Protocol (SMTP)-oriented attacks.
- MS Netshow support.
- Intrusion detection (59 signatures).
- Dynamic per-use authentication and authorization (authentication proxy).
- Real-time, configurable alerts and audit trail. Alerts and audit trails are configurable on a per-application basis. Java blocking is also configurable on a modular basis.
- The IPSec versions of the Cisco Firewall Feature Set also include support for IPSec encryption technology.
- ConfigMaker support.

▼ *Ordering Information*

ITEM	CODE
Cisco Firewall Feature Set for 800 Series Routers	
For Firewall protection only, order…	
IP	CD08-CH-12.0.5=
For Firewall protection and encryption, order…	
IP/56-bit IPSec	CD08-CH1-12.0.5=
For Firewall protection and encryption for Novell NetWare, order…	
IP/IPX/56-bit IPSec	CD08-BH1-12.0.5=