

FORTIGATE™ 800

Real-time Content Security for Large Enterprises



FortiGate™ Antivirus Firewalls are dedicated, hardware-based units that deliver complete, real-time network protection services at the network edge. Based on Fortinet's revolutionary FortiASIC™ Content Processor chip, the FortiGate platforms are the only systems that can detect and eliminate viruses, worms, and other content-based threats without reducing network performance — even for real-time applications like Web browsing. FortiGate systems also include integrated firewall, content filtering, VPN, intrusion detection and prevention, and traffic shaping functions, making them the most cost effective, convenient, and powerful network protection solutions available.



The FortiGate-800 Antivirus Firewall provides the performance, flexibility, and security necessary to protect today's most demanding large enterprise networks. The FortiGate-800 can be deployed as a high performance antivirus and content filtering gateway, or as a complete network protection solution leveraging firewall, VPN, and IDP capabilities. The FortiGate-800 Antivirus Firewall features 4 10/100/1000 tri-speed ethernet ports for networks running at gigabit speeds and 4 user-definable 10/100 ports that provide granular security through multi-zone capabilities, allowing administrators to segment their network into zones and create policies between zones. A high-availability port allows two or more FortiGate-800 Antivirus Firewalls to be configured in redundant clusters for improved scalability and uptime. All FortiGate-800 Antivirus Firewalls are kept up to date automatically by Fortinet's FortiProtect™ Network, which provides continuous updates that ensure protection against the latest viruses, worms, Trojans, and other threats — around the clock, and around the world.

Product Highlights

- Comprehensive security solution combines network-based antivirus, web content filtering, firewall, VPN, dynamic intrusion detection and prevention, and traffic shaping
- Eliminate viruses and worms from email, file transfer, and real-time (Web) traffic without degrading network performance
- Provides granular security with independent security zones and policies mapped to VLAN tags
- Reduces exposure to threats by detecting and preventing over 1300 different intrusions, including DoS and DDoS attacks
- High-availability option supports transparent failover for mission-critical applications
- High performance allows cost-effective deployment in enterprise networks
- Delivers superior performance and reliability from hardware accelerated, ASIC-based architecture
- Automatically downloads the latest virus and attack database and can accept instant “push” updates from the FortiProtect Network
- Underlying FortiOS™ operating system is ICSA-certified for Antivirus, Firewall, IPsec VPN and Intrusion Detection
- Easy to use and deploy – quick and easy configuration wizard walks administrators through initial setup with graphical user interface
- Virus quarantine enables easy submission of attack samples to the Fortinet Threat Response Team
- Tri-speed (10/100/GigE) interfaces reduce costs for users upgrading to gigabit networks

FORTIGATE™ 800

Key Features & Benefits

Feature	Description	Benefit
Network-based Antivirus (ICSA Certified)	Detects and eliminates viruses and worms in real-time. Scans incoming and outgoing email attachments (SMTP, POP3, IMAP) and all FTP and HTTP traffic including web-based email – without degrading Web performance	Closes the vulnerability window by stopping viruses and worms before they enter the network
Dynamic Intrusion Detection and Prevention (ICSA Certified)	Detection and prevention of over 1300 intrusions and attacks, based on user-configurable thresholds. Automatic update of IPS signatures from FortiProtect Network.	Stops attacks that evade conventional antivirus products, with real-time response to fast-spreading threats
Firewall (ICSA Certified)	Powerful stateful inspection firewall	Certified protection, maximum performance and scalability
Web Content Filtering	Processes all Web content to block inappropriate material and malicious scripts	Assures improved productivity for enterprise and regulatory compliance for CIPA-compliant educational institutions
VPN (ICSA Certified)	Industry standard IPSec, PPTP, and L2TP VPN support	Provide secure communication tunnels between networks and clients
Transparent Mode	FortiGate units can be deployed in conjunction with existing firewall and other devices to provide antivirus, content filtering, and other content-intensive applications	Easy integration/investment protection of legacy systems
Remote Access	Supports secure remote access from any PC equipped with FortiClient Host Security software	Low cost, anytime, anywhere access for mobile and remote workers and telecommuters

System Specifications

FortiGate-800





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Interfaces

10/100 Ethernet Ports	4
10/100/1000 Gigabit Ethernet Ports	4

System Performance

Concurrent sessions	400,000
New sessions/second	10,000
Firewall throughput (Mbps)	600 Mbps
168-bit Triple-DES throughput (Mbps)	200 Mbps
Unlimited concurrent users	•
Policies	20K
Schedules	256

Antivirus, Worm Detection & Removal

Scans HTTP, FTP, SMTP, POP3, IMAP, and encrypted VPN Tunnels	•
Quarantine infected messages	•
Block by file size	•
Automatic update of antivirus database from FortiProtect Network	•

Firewall Modes and Features

NAT, PAT, Transparent (bridge)	•
Routing mode (RIP v1, v2)	•
Policy-based NAT	•
Virtual domains	2
VLAN tagging (802.1q)	•
User Group-based authentication	•
H.323 NAT Traversal	•
WINS support	•

VPN

PPTP, L2TP, and IPSec	•
Dedicated tunnels	2000
Encryption (DES, 3DES, AES)	•
SHA-1 / MD5 authentication	•
PPTP, L2TP, VPN client pass through	•
Hub and Spoke VPN support	•
IKE certificate authentication	•
IPSec NAT Traversal	•
Dead peer detection	•

Content Filtering

URL/keyword/phrase block	•
URL Exempt List	•
Content profiles	32
Blocks Java Applet, Cookies, Active X	•
Cerberian web filtering support	•
FortiGuard™ web filtering support	•

Dynamic Intrusion Detection and Prevention

Intrusion prevention for over 1300 attacks	•
Automatic real-time updates from FortiProtect Network	•
Customizable detection signature list	•

Anti-Spam

Real-time Blacklist/Open Relay Database Server	•
MIME header check	•
Keyword/phrase filtering	•
IP address blacklist/exempt list	•

Logging/Monitoring

Internal logging/removable HD	20G
Log to remote Syslog/WELF server	•
Graphical real-time and historical monitoring	•

SNMP	•
Email notification of viruses and attacks	•
VPN tunnel monitor	•

High Availability (HA)

Active-active/Active-passive HA	•
Stateful failover (FW and VPN)	•
Device failure detection & notification	•
Link status monitor	•
Link failover	•

Networking

Multiple WAN link support	•
Multi-zone support	•
Route between zones	•
Policy-based routing	•

System Management

Console interface	•
WebUI (HTTPS)	•
Multi-language support	•
Command line interface	•
Secure Command Shell (SSH)	•
FortiManager System	•

Administration

Role-based administration	•
Multiple administrators and user levels	•
Upgrades & changes via TFTP & WebUI	•
System software rollback	•

User Authentication

Internal database	•
External LDAP/RADIUS database support	•
RSA SecurID	•
Xauth over RADIUS support for IPSec VPN	•
IP/MAC address binding	•

Traffic Management

Diffserv setting	•
Policy-based traffic shaping	•
Guaranteed/Maximum/Priority bandwidth	•

Dimensions

Height / Width / Length	1.75 inches, 16.75 inches, 12 inches
Weight	10 lb (4.5 kg)
Rack Mountable	•

Power

AC input voltage	110 to 240VAC
AC input current	4A
Frequency	50 to 60Hz
Power Dissipation	300W max

Environmental

Operating Temperature	41 to 95 °F (5 to 40 °C)
Storage Temperature	-4 to 176 °F (-20 to 80 °C)
Humidity	10 to 90% non-condensing

Regulatory

FCC Class A Part 15	•
CSA/CUS	•
CE	•
UL	•
ICSA Antivirus, Firewall, IPSec, NIDS	•


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