

# 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 FortiResponse 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, and 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 30 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 FortiResponse 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
<b>Network-based Antivirus</b> (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
<b>Intrusion Detection</b> (ICSA Certified)	Provides alerts based on a customizable database of over 1300 attack signatures	Provides real-time warning and forensic data to identify and analyze attacks
<b>Intrusion Prevention</b>	Active prevention of over 30 intrusions and attacks, based on user-configurable thresholds	Stops the most damaging attacks at the network edge
<b>Firewall</b> (ICSA Certified)	Powerful stateful inspection firewall	Certified protection, maximum performance and scalability
<b>Web Content Filtering</b>	Processes all Web content to block inappropriate material and malicious scripts	Assures improved productivity for enterprise and regulatory compliance for CIPA-compliant educational institutions
<b>VPN</b> (ICSA Certified)	Industry standard IPSec, PPTP, and L2TP VPN support	Provide secure communication tunnels between networks and clients
<b>Transparent Mode</b>	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
<b>Remote Access</b>	Supports secure remote access from any PC equipped with Fortinet Remote VPN Client	Low cost, anytime, anywhere access for mobile and remote workers and telecommuters

## System Specifications

FortiGate-800





**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	•

**Firewall Modes and Features**

NAT, PAT, Transparent (bridge)	•
Routing mode (RIP v1, v2)	•
Policy-based NAT	•
VLAN tagging (802.1q)	•
Access control list (Source IP, Destination IP, TCP port, and UDP port)	•
User Group-based authentication	•
H.323 NAT Traversal	•
WINS support	•

**VPN**

PPTP, L2TP, and IPSec	•
Dedicated tunnels	200
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	•
Interoperability with major VPN vendors	•

**Content Filtering**

URL block	•
Keyword/phrase block	•
URL Exempt List	•
Content profiles	32
Blocks Java Applet, Cookies, Active X	•
Email filtering (keyword, blacklist, exempt list)	•

**Intrusion Detection and Prevention**

Detection for over 1300 attacks	•
Prevention for over 30 attacks	•
Customizable detection signature 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 HA	•
Active-passive HA	•
Stateful failover (FW and VPN)	•
Device failure detection & notification	•
Link status monitor	•

**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**

Multiple administrators and user levels	•
Upgrades & changes via TFTP & WebUI	•
System software rollback	•

**User Authentication**

Internal database	•
LDAP support	•
RADIUS (external) database	•
Xauth over RADIUS support for IPSec VPN	•
IP/MAC address binding	•

**Traffic Management**

Policy-based traffic shaping	•
Guaranteed bandwidth	•
Maximum bandwidth	•
Priority assignment	•

**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 35 °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	•
ICSA Firewall	•
ICSA IPSec	•
ICSA Intrusion Detection	•


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