FORTIGATE™ 3600

Best-of-Breed Network Antivirus Protection

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-3600 Antivirus Firewall is a high performance system that delivers gigabit throughput with exceptional reliability for the most demanding large enterprise and service provider environments. Providing 6 gigabit interfaces, the FortiGate-3600 establishes new levels of price/performance, and offers a complete array of antivirus, firewall, web and email content filtering, VPN, network-based intrusion detection and prevention, and traffic shaping capabilities. The FortiGate-3600 deploys easily in existing networks and can be used for antivirus and content filtering only or can be deployed as a complete network protection solution. The FortiGate-3600 supports independent security zones and policies mapped to VLAN tags enabling granular security configurations unique to each group or department. High Availability (HA) operation and redundant hot-swappable power supplies ensure non-stop operation in mission-critical applications. The FortiGate-3600 is 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

- Optimal solution for Large Enterprise and Managed Security Service Providers (MSSPs)

- Eliminates viruses and worms from email, file transfer, and real-time (Web) traffic as well as email traffic without degrading network performance

- Provides complete network protection functionality: network-based antivirus, web and email content filtering, firewall, VPN, network-based intrusion detection and prevention, and traffic shaping

- "Transparent mode" operation supports highly available architectures and deployments for antivirus and content filtering only in conjunction with existing firewall, VPN, intrusion detection and prevention, or other existing systems

- Real-time system status monitoring lowers the total cost of ownership by providing an easy graphical view of CPU and memory utilization, network and session status, virus and intrusion detection

- Reduces exposure to threats by detecting and preventing over 30 different intrusions, including DoS and DDoS attacks

- Active-active and active-passive high availability operation supports transparent failover for mission-critical applications and clustering of up to 32 units

- VLAN and security zone support provides for granular network segmentation into zones with independent security and access control policies

- Delivers superior performance and reliability from hardware accelerated, ASIC-based architecture and redundant, hot-swappable power supplies

- Automatically downloads the latest virus and attack database and can accept instant "push" updates from the FortiProtect Network

- Underlying FortiOS™ is ICSA-certified for Antivirus, Firewall, IPSec VPN and Intrusion Detection
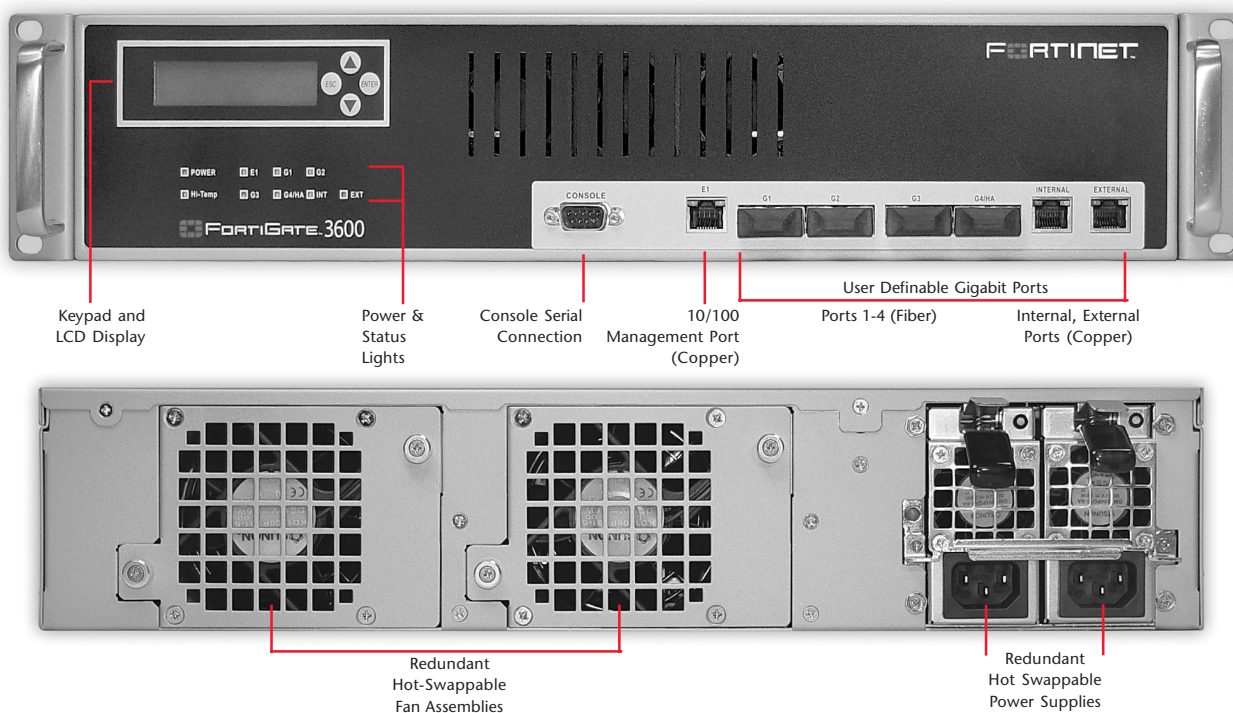
FORTINET™

FortiGate™3600

Key Features & Benefits

Feature	Description	Benefit
Network-based Antivirus (ICSA Certified)	Detects, quarantines, and eliminates viruses and worms in real-time. Scans incoming and outgoing email attachments (SMTP, POP3, IMAP), HTTP and FTP traffic including web-based email, and encrypted VPN tunnels – without degrading Web performance	Closes the vulnerability window by stopping viruses and worms before they enter the network
Intrusion Detection (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
Intrusion Prevention	Active prevention of over 30 intrusions and attacks, including DoS and DDoS attacks, based on user-configurable thresholds	Stops the most damaging attacks at the network edge
Web Content Filtering	Processes all Web content to block inappropriate material and malicious scripts via URL blocking and keyword/phrase blocking	Assures improved productivity for enterprise and regulatory compliance for CIPA-compliant educational institutions
Firewall (ICSA Certified)	Industry standard stateful inspection firewall	Certified protection, maximum performance and scalability
VPN (ICSA Certified)	Industry standard PPTP, L2TP, and IPSec VPN support	Lower costs by using the public Internet for private site-to-site and remote access communications
Transparent Mode	FortiGate units can be deployed in conjuction 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 Fortinet Remote VPN Client	Low cost, anytime, anywhere access for mobile and remote workers and telecommuters

System Specifications

FortiGate-3600

Keypad and LCD Display

Power & Status Lights

Console Serial Connection

10/100 Management Port (Copper)

User Definable Gigabit Ports

Ports 1-4 (Fiber)

Internal, External Ports (Copper)

Redundant Hot-Swappable Fan Assemblies

Redundant Hot Swappable Power Supplies

FortiGate™ 3600

Specifications

	FortiGate-3600
Interfaces	
10/100Base-T Ports	1
1000Base-SX Ports (Fiber)	4*
1000Base-T Ports (Copper)	2
System Performance	
Concurrent sessions	1,000,000
New sessions/second	25,000
Firewall throughput (Gbps)	4Gbps
168-bit Triple-DES throughput (Mbps)	600
Unlimited concurrent users	•
Policies	200,000
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	
NAT, PAT, Transparent (bridge)	•
Routing mode (RIP v1, v2)	•
Policy-based NAT	•
VLAN tagging (802.1q)	•
User/Group based authentication	•
H.323 NAT Traversal	•
WINS Support	•
VPN	
PPTP, L2TP, and IPSec	•
Dedicated tunnels	8000
Encryption (DES, 3DES, AES)	•
SHA-1 / MD5 authentication	•
PPTP, L2TP, VPN client pass though	•
Hub and Spoke VPN architecture	•
IKE certificate authentication (X.509)	•
IPSec NAT Traversal	•
Aggressive mode	•
Replay protection	•
Dead peer detection	•
Interoperability with major VPN vendors	•
Content Filtering	
URL block	•
Keyword/Phrase block	•
URL Exempt List	•
Content profiles	32
Block 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	•
Detection and prevention on multiple interfaces	•
Customizable detection signature list	•
Logging/Monitoring	
Internal logging hard drive	20G
Log to remote Syslog/WELF server	•
SNMP	•
Graphical real-time and historical monitoring	•
Email notification of viruses and attacks	•
VPN tunnel monitor	•
High Availability (HA)	
Active-active HA	•

	FortiGate-3600
Active-passive HA	•
Stateful failover (FW and VPN)	•
Device failure detection & notification	•
Redundant power supplies (hot-swappable)	•
Link status monitor	•
Networking	
Multiple WAN link support	•
DHCP client/server	•
Route between zones	•
Policy-based routing	•
System Management	
Console interface (RS-232)	•
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	•
Trusted host enforcement (IP/mac binding)	•
User Authentication	
Internal database	•
LDAP support	•
RADIUS (external) database	•
Xauth over RADIUS support for IPSec VPN	•
IP/MAC address binding	•
Traffic Management	
Guaranteed bandwidth	•
Maximum bandwidth	•
Priority assignment	•
Dimensions	
Height	3.5 inches
Width	16.75 inches
Length	13.5 inches
Weight	17.5 lb (8 kg)
Rack Mountable	•
Power	
AC input voltage	100 to 240VAC
AC input current	6A
Frequency	50 to 60Hz
Power Dissipation	460W max
Environmental	
Operating Temperature	32 to 104 °F (0 to 40 °C)
Storage Temperature	-13 to 158 °F (-25 to 70 °C)
Humidity	5 to 95% non-condensing
Regulatory	
FCC Class A Part 15	•
CSA/CUS	•
CE	•
UL	•
ICSA Antivirus, Firewall, IPSec, and Intrusion Detection	•

* Up to 4 optional LX ports are available, please refer to model numbers FG-3600LX1, FG-3600LX2, FG-3600LX3 and FG-3600LX4 in the price list.

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