

# FORTIGATE™ 1000

## 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-1000 Antivirus Firewall provides gigabit-level performance and security capabilities that meet the needs of the most demanding large enterprise networks. The FortiGate-1000 can be deployed as a high performance antivirus and content filtering gateway, or as a complete network protection solution leveraging firewall, VPN, and NIDS capabilities. A dedicated high availability port allows two FortiGate-1000 AV Firewalls to be configured in redundant clusters for improved scalability and uptime. Flexible deployment options allow FortiGate-1000 AV Firewall administrators to customize ports and assign Route and NAT mode options to individual interfaces. The FortiGate-1000 Antivirus Firewall provides granular security through multi-zone capabilities, which allows administrators to segment their network into zones and create policies between zones. All FortiGate-1000 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, traffic shaping, and anti-spam
- 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
- Gigabit-level 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

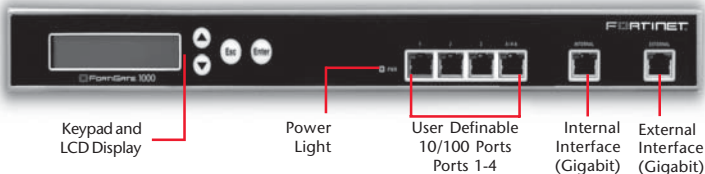
# FORTIGATE™ 1000

## 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 & Prevention System (IPS) (ICSA Certified)	Provides alerts based on a customizable database of over 1300 attack signatures	Stops attacks that evade conventional antivirus products, with real time response to fast-spreading threats. Stops the most damaging attacks at the network edge
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-1000





**Specifications**

**FortiGate-1000**

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**Interfaces**

10/100 Ethernet Ports	4
Gigabit Ethernet Ports (Copper)	2

**System Performance**

Concurrent sessions	600,000
New sessions/second	15,000
Firewall throughput (Mbps)	1Gbps
168-bit Triple-DES throughput (Mbps)	250
Unlimited concurrent users	•
Policies	30K
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	3000
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	•
Protection profiles	32
Blocks Java Applet, Cookies, Active X	•
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	40G
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 / 16.75 / 12 inches
Weight	11 lb (5 kg)
Rack Mountable	•

**Power**

AC input voltage	100 to 240VAC
AC input current	4A
Frequency	47 to 63Hz
Power Dissipation	180W 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	•
CE	•
UL	•
ICSA Antivirus, Firewall, IPSec, NIDS	•


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