

# FortiGate-1000-3600 Series

High Performance Security Systems for Enterprises

Datasheet

## Real-Time Network Security Solutions

### High Performance Enterprise Network Security

The FortiGate™-1000-3600 series of high-performance security appliances integrate all-in-one multi-threat protection into cost-effective plug-n-play security platforms that effectively block today's blended network attacks. Point-products providing security solutions for specific purposes may provide adequate protection against specific single-threaded threats, however a new breed of blended threats and attacks utilize a multitude of attack vectors. Furthermore assembling an array of point products is costly and requires significant expertise to engineer, maintain and manage. Fortunately cost-effective, evergreen multi-threat protection against the latest blended security threats including viruses, worms, phishing, spyware, spam and many other types of malware are now available in a cost-effective, yet high-performance appliance.

### Industry-Leading Unified Threat Management

Fortinet incorporates ICSA-certified Unified Threat Management functions in a single ASIC-based appliance that is a breeze to install and manage. Antivirus, stateful firewall, IPSec and SSL VPN, intrusion prevention, antispam, and Web content filtering features are combined into a complete line of enterprise-focused security appliances that offer a compelling total cost of ownership.

#### Key Solution Features and Benefits

- Industry proven, multi-threat security architecture for enterprise networks**  
 Delivers powerful, integrated application security ideal for protecting against today's complex threats
- Extremely high performance/price ratio with unlimited number of users**  
 Low total cost of ownership, high performance via custom ASIC, and wide range of deployment options matches complex network security requirements
- Easy to deploy, easy to manage device**  
 Turn-key appliance allows for rapid deployment, including transparent mode applications, to quickly secure mission-critical network resources
- Support for emerging technologies**  
 Modular architecture enables new technologies, such as SIP, IM, and P2P, to be secured without unnecessary interruptions
- Customized and detailed logging and reporting tools**  
 FortiAnalyzer™ and FortiManager™ offer extensive reporting, logging, and data archiving options for regulatory compliance, trending, or baselining



FortiGate-1000A



FortiGate-1000AFA2



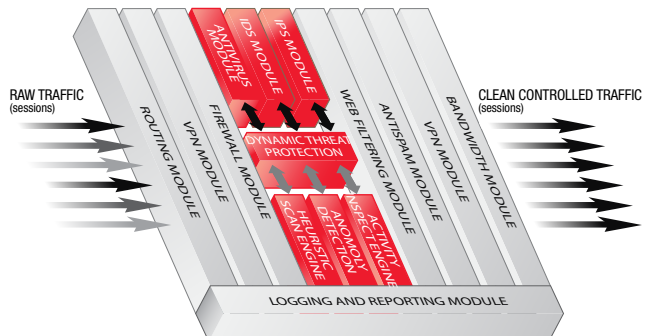
FortiGate-3000



FortiGate-3600A

### Fortinet's Security and Inspection Engine

Fortinet's award-winning security inspection engines offer unparalleled levels of protection against today's blended threats. Multiple engines, including firewall, antivirus, intrusion detection and prevention, antispam, Web content filtering, encryption, and traffic shaping engines means that all traffic is inspected upon entry into and exit from your network to ensure that all communication is clean and controlled.

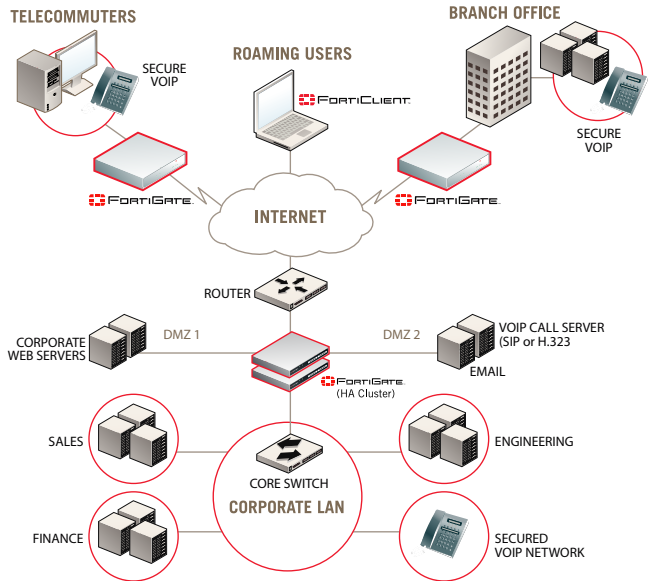


FortiOS™ Multi-Threat Security Protection System

Fortinet's complete line of security systems are designed for enterprise networks.

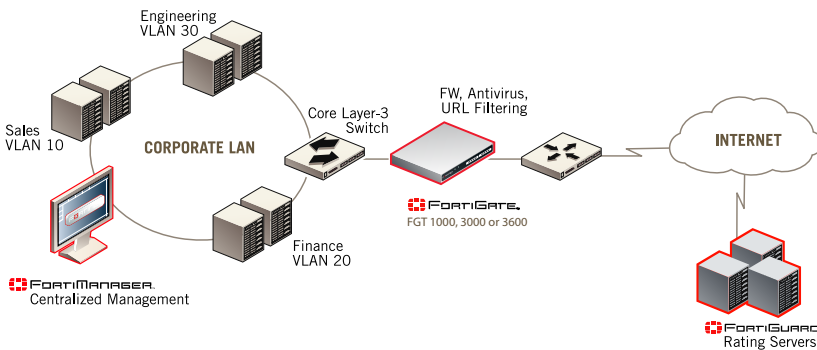
### Secure Perimeter Networks (FW + VPN + AV + WCF)

Effectively protecting organizations from a new generation of attacks requires a comprehensive security strategy that contains multiple layers of network-based defenses at the edge and at the core of your network. The FortiGate-1000-3600 series appliances deliver high-performance while tightly integrating multiple security solutions to combat blended attacks. Integrated antivirus and antispyware engines inspect email, HTTP and FTP downloads for malicious content, dynamic IPS detects and blocks attacks aimed at exploiting application vulnerabilities, antispam filtering blocks the transport of malicious files, comprehensive Web content filtering blocks access to offensive and malicious internet sites and a stateful firewall is used as a first line of defense.



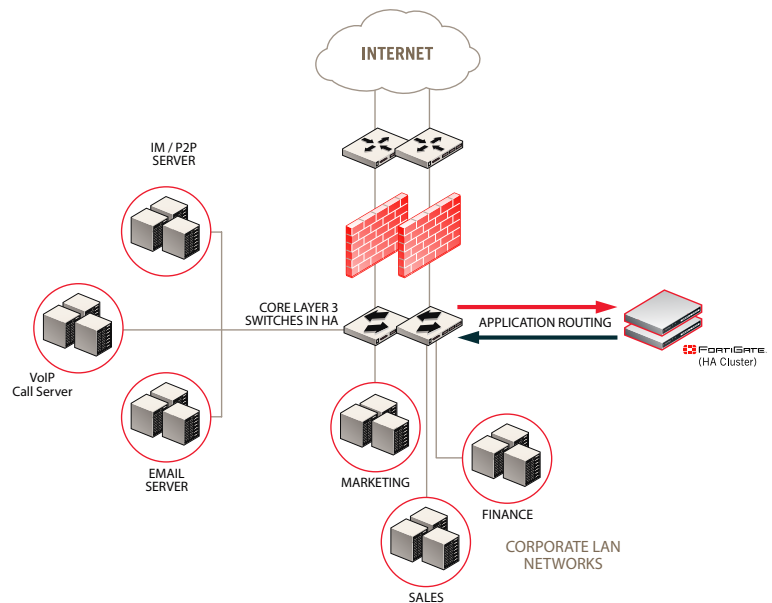
### Virtual Security Domains (IPS + AV + IM/P2P)

The FortiGate-1000-3600 series appliances are built on a flexible high-performance architecture that is ready and capable of responding to emerging technologies and threats such as IM, P2P and VOIP applications as well as spyware, phishing and pharming attacks. Flexible deployment options such as NAT, Route and Transparent modes allow the FortiGate to be easily deployed into network designs. Core networking features such as High Availability (HA) and support for dynamic routing protocols RIP, OSPF, BGP and Multicast enable the FortiGate to be deployed into complex full mesh network environments that require maximum network availability. To reduce deployment costs, support for security zones and virtual security domains to secure multiple internal networks or external customers are possible on a single, easy to manage FortiGate platform.



### Secure Server Applications (AS + AV)

Effectively protecting organizations from a new generation of application attacks requires a comprehensive security strategy that contains multiple layers of network-based defenses. The FortiGate-1000-3600 family of high performance appliances delivers real-time protection against multi-layered security threats targeting application servers. Advanced antispam filtering blocks prevents useless traffic from degrading performance while screening traffic for spyware and inappropriate content.



## FortiGate-1000-3600 Series



Feature	FortiGate-1000A	FortiGate-1000AFA2	FortiGate-3000	FortiGate-3600A
10/100 Interfaces.....	0	0	3	0
10/100/1000 Interfaces (Copper).....	10	10	1	8
1000BaseSX Interfaces (Fiber)*.....	0	0	2	0
1Gb SFP Interfaces (Fiber) **.....	0	2	0	2
USB Ports.....	1	1	0	2
Concurrent Sessions.....	600,000	600,000	975,000	1,000,000
New Sessions/Second.....	15,000	15,000	20,000	25,000
Firewall Throughput.....	2 Gbps	2 Gbps	2.25 Gbps	6 Gbps
VPN 168-Bit Triple-DES Throughput.....	400 Mbps	400 Mbps	530 Mbps	800 Mbps
Antivirus Throughput.....	200 Mbps	200 Mbps	250 Mbps	400 Mbps
Unlimited Concurrent Users.....	Yes	Yes	Yes	Yes
Dedicated IPSec VPN Tunnels.....	5,000	5,000	5,000	5,000
Policies.....	30,000	30,000	50,000	50,000
DIMENSIONS (H, W, L, weight).....	3.5 inches, 16.75 inches, 13.5 inches, 17.5 lbs (8 kg)	3.5 inches, 16.75 inches, 13.5 inches, 17.5 lbs (8 kg)	3.5 inches, 16.75 inches, 13.5 inches, 17.5 lbs (8 kg)	3.5 inches, 16.75 inches, 13.5 inches, 17.5 lbs (8 kg)
COMPLIANCE.....	FCC Class A, Part 15, UL/CUL, C Tick, CE, VCCI			
CERTIFICATIONS.....	ICSA: Firewall, IPSec, SSL, Antivirus, IPS			
ENVIRONMENTAL.....	Operating temperature: 32 to 104 deg F (0 to 40 deg C) Storage temperature: -13 to 158 deg F (-25 to 70 deg C) Humidity: 5 to 95% non-condensing			
AC Power Required.....	Dual 100-240 VAC, 50-60 Hz, 0.8 Amp max			

\* SX transceivers are standard - LX transceivers are available as an additional option; \*\* Optional SX or LX transceivers

## Fortinet Integrated Security Solutions

Fortinet offers fully integrated, multi-threat security solutions to meet today's blended threats.

- All-inclusive, cost-effective security solution:** Fortinet offers a lower total cost of ownership with the most complete set of functions including: antivirus, intrusion prevention, antispam, Web content filtering, and antispam.
- Automated updates of Antivirus and IPS signatures:** Around-the-clock protection against the latest threats. Virus and intrusion database covers over 60,000 different threats.
- Very high performance from custom hardware:** The Fortinet FortiASIC™ delivers superior performance and reliability at wire speed that ensures the security appliance does not become a network bottleneck.
- Very large number of VPN and Virtual Domains:** Secure remote users and cost-effectively deploy distributed enterprise networks or managed security service provider networks.
- Secure Web UI for easy deployment and management:** Quick and easy configuration wizard walks administrators through initial setup and graphical user interface offers at-a-glance security event and performance monitoring.

### The Fortinet ASIC-based advantage

The FortiASIC is the foundation of Fortinet's unique technology. FortiASICs use an intelligent, proprietary content scanning engine that accelerates the compute-intensive actions which generally perform slowly on network processor chips. They also contain acceleration algorithms for encryption so that FortiGate security devices can perform antivirus scanning on VPN tunnels ensuring clean and controlled communications. Coupling our custom ASIC with proprietary network processor acceleration, Fortinet's systems deliver extreme performance and security at a compelling total cost of ownership.

### Fortinet's Complete Content Protection Solution

Fortinet's Unified Threat Management (UTM) solution includes an integrated, all-in-one security appliance and optional FortiCare™ Support and FortiGuard™ Subscription Services. These offerings include everything from technical support, antivirus updates, hardware warranty, antispam, and Web filtering to ensure that your investment remains current and your corporate resources are protected against the latest blended threats.

## FortiGate-1000-3600 Series



FortiGate-1000A

FortiGate-1000AFA2

FortiGate-3000

FortiGate-3600A

### FortiGate-1000-3600-series platforms provide the following security features:

#### NETWORKING

Multiple WAN Link Support  
PPPoE  
DHCP Client/Server  
Policy-Based Routing  
Dynamic Routing (RIP v1 & v2, OSPF, BGP, & Multicast)  
Multi-Zone Support  
Route Between Zones  
Route Between Virtual LANs

#### ANTIVIRUS/WORM DETECTION & REMOVAL (ICSA CERTIFIED)

Scans HTTP, SMTP, POP3, IMAP, FTP and IM Encrypted VPN Tunnels  
Automatic "Push" Virus Database Update  
Quarantine Infected Messages  
Block by File Size  
Block by Type

#### SYSTEM MANAGEMENT

Console Interface (RS-232)  
WebUI (HTTP/HTTPS)  
Telnet  
Multi-language Support  
Command Line Interface  
Secure Command Shell (SSH)  
FortiManager System

#### ADMINISTRATION

Role-Based Administration  
Multiple Administrators and User Levels  
Upgrades and Changes Via TFTP and WebUI  
System Software Rollback  
Optional FortiManager Administration

#### USER AUTHENTICATION

Internal Database  
Windows Active Directory (AD) Database  
External RADIUS/LDAP Database  
IP/MAC Address Binding  
Xauth over RADIUS for IPSEC VPN  
RSA SecurID

#### FIREWALL (ICSA CERTIFIED)

NAT, PAT, Transparent (Bridge)  
Routing Mode (RIP v1 & v2, OSPF, BGP, & Multicast)  
Policy-Based NAT  
Virtual Domains (NAT/Transparent mode)  
VLAN Tagging (802.1Q)  
User Group-Based Authentication  
SIP/H.323 NAT Traversal  
WINS Support  
Customized Protection Profiles

#### VPN (ICSA CERTIFIED)

PPTP, IPsec, and SSL  
Dedicated Tunnels  
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  
RSA SecurID Support

#### WEB CONTENT FILTERING

URL/Keyword/Phrase Block  
URL Exempt List  
Content Profiles  
Blocks Java Applet, Cookies, Active X  
FortiGuard Web Filtering Support

#### DYNAMIC INTRUSION PREVENTION SYSTEM (IPS/IDS) (ICSA CERTIFIED)

Prevention for Over 2000 Attacks  
Customizable Dynamic Detection Signature List  
Automatic Attack Database Update

#### ANTISPAM

Real-Time Blacklist/Open Relay Database Server  
MIME Header Check  
Keyword/Phrase Filtering  
IP Address Blacklist/Exempt List  
Automatic Real-Time Updates From FortiGuard Network

#### LOGGING/MONITORING

Internal Logging  
Log to Remote Syslog/WELF server  
Graphical Real-Time and Historical Monitoring  
SNMP  
Email Notification of Viruses And Attacks  
VPN Tunnel Monitor  
Optional FortiAnalyzer Logging

#### HIGH AVAILABILITY (HA)

Active-Active, Active-Passive  
Stateful Failover (FW and VPN)  
Device Failure Detection and Notification  
Link Status Monitor  
Link failover

#### TRAFFIC SHAPING

Policy-based Traffic Shaping  
Diffserv Setting  
Guarantee/Max/Priority Bandwidth

#### INSTANT MESSENGER - ACCESS CONTROL

AOL-IM  
Yahoo  
MSN  
ICQ

#### FortiGuard Subscription Services

Includes:

- Automatic updates from over 50 redundant high-speed database servers around the globe.
- Complete Wildlist virus protection for over 4,500 active viruses from FortiGuard's active database of over 60,000 viruses.
- Real-time signature updates for protection against over 6,000 threats.
- 76 rated Web categories for more accurate Web content filtering.
- Web filtering for more than 25 million rated domains and 2 billion rated Web pages.

#### FortiCare Support Services

Includes:

- 24 X 7 X 365 FortiCare Web Service.
- 1-Year Limited Hardware Warranty.
- Email Technical Support.\*
- 90-Day Limited Software Warranty.

\* 24 X 7 Telephone Technical Support available.

# FORTINET



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