FORTINET®

FortiGate®-200 to -800 Series

Multi-Layer Security Appliances for Mid-Size Organizations

Blended Security Threats

Network security threats could be devastating to networks. Intellectual property, revenue, customer and company records, and other mission-critical resources. Point-products providing security solutions for specific purposes may provide adequate protection against specific single-threaded threats, however blended-threats and attacks utilize a multitude of attack vectors. Assembling an array of point products is costly and requires significant expertise to engineer, maintain and manage. Most small to medium size businesses cannot afford such overhead, yet should tragedy strike the potential business costs are enormous. Fortunately cost-effective, evergreen multi-threat protection is now available to businesses of any size. The FortiGate-200 through -800 series of advanced security systems integrate all-in-one multi-threat protection into cost-effective plug-n-play security platforms that effectively block today's blended attacks including intrusion attempts, viruses, worms, phishing, spyware, spam and many other types of malware. The Fortinet FortiGuard® global 24x7 threat detection and update service provides the networking industry's fastest response time to ensure latest security threats are detected and automatic security updates are available before your business is impacted.

Security Platforms That Meet the Challenge

FortiGate security platforms are based on Fortinet's revolutionary FortiASIC™ Content Processor technology, which enables a comprehensive suite of real-time security solutions while delivering the highest levels of network performance. The FortiGate-200-800 series platforms provide a complete security solution including content inspection firewall, IPSEC and SSL VPN, intrusion prevention, web filtering, antispam, antivirus, antispyware, endpoint control, and application control that prevent blended attacks, as well as providing integrated traffic shaping functions, making them the most cost effective, convenient and powerful network protection solutions available. In addition, Fortinet's per-device security subscriptions and turnkey appliance design makes them an affordable and easy-to-manage security solution for small-to-medium enterprises.

FortiOS 4.0 Software Redefines Networks Security

FortiOS 4.0 is a purpose-built operating system that leverages the power of specialized FortiASIC hardware to offer increased levels of security and performance. Fortinet developed FortiOS 4.0 software solely for the FortiGate multi-threat security platform. FortiOS software enables a comprehensive suite of security services – firewall, VPN, intrusion prevention, antimalware, antispam, web filtering, application control, data loss prevention, vulnerability management, and end point network access control.

The FortiASIC Advantage

FortiASIC processors power FortiGate platforms. With exclusive hardware, the purpose built, high-performance network, security, and content processors use intelligent and proprietary digital engines to accelerate resource-intensive security services.

| Features	Benefits
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, antispyware, web content filtering, and antispam
Automated updates of antivirus/ antispyware and IPS security content	Around-the-clock protection against the latest threats. Virus and intrusion encyclopedia covers more than 60,000 different threats
High performance custom hardware	The Fortinet FortiASIC delivers superior performance and reliability, ensuring that the security appliance does not become a network bottleneck
Integrated multi-port switch	Eliminates the need for external switches and provides enhanced connectivity options
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
Security hardened custom Operating System (OS)	Underlying FortiOS™ is ICSA Labs-certified and offers a comprehensive command-line interface

Fortinet's family of mid-range security appliances are designed for mid-size enterprise networks.

Secure Web Access
Firewall + Antivirus + Web Filtering

The primary source of threats to the Enterprise network is undoubtedly from uncontrolled employee access to the Internet and Web-based services. Yet today every business not only relies on the Internet for productivity enhancements and competitive advantage, but literally depends on the Internet for business success. With all the benefits of the Internet, also come potential risks such as viruses and worms that disrupt services or destroy valuable data, and a myriad of security challenges including information theft/leakage, inappropriate usage and the need to comply with regulatory mandates. The FortiGate-200-800 series of mid-range security appliances provide a turn-key suite of ICSA Labs certified multi-layered security applications to stop blended attacks from affecting your business.
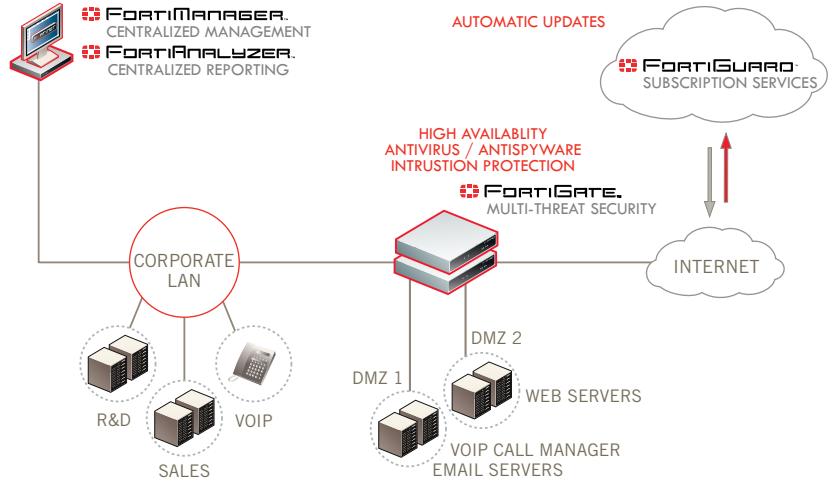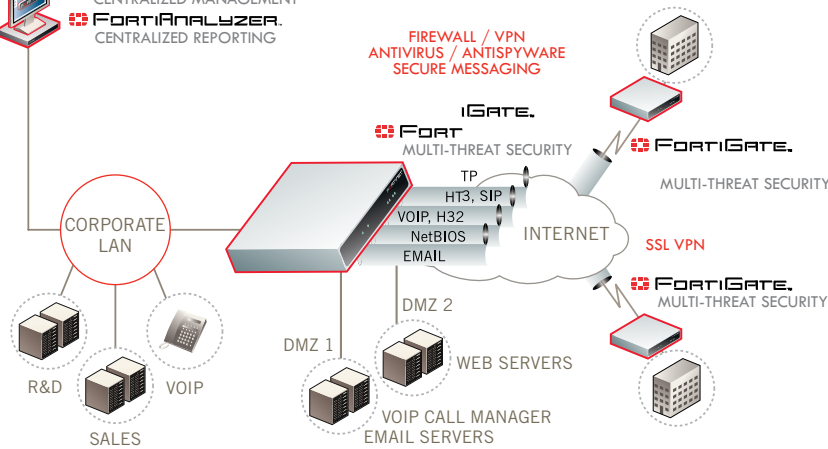

Secure Perimeter Access
Firewall + VPN+ Intrusion Prevention + Antivirus

Enterprises often have complex network topologies and, therefore, complex network security requirements. Typical deployments mean linking several sites together—ranging from home offices to larger remote offices—and ensuring that the security implementation is seamless. Security devices for these environments need to provide a wide variety of performance metrics and connectivity options. Fortinet's line of mid-range security appliances offer integrated 4-port switches, 10/100/1000 Ethernet ports, up to 1 Gbps firewall throughput, and up to 200 Mbps 3DES VPN throughput. These options include the full security suite of ICSA Labs certified multi-layered security applications to stop blended attacks from affecting your enterprise's productivity.

Secure Messaging Access
Antispam+ Antivirus + IM / P2P Controls

The FortiGate line of security appliances has a flexible architecture that allows each one to quickly adapt to emerging technologies and threats such as IM, P2P, and VOIP applications and identity theft methods such as spyware, phishing, and pharming attacks. Flexible deployment options such as NAT, Route, and Transparent modes allow FortiGate devices to be easily deployed into most network designs. Core networking features, such as High Availability (HA) and support for dynamic routing protocols like RIP, OSPF, and BGP, allow them to be deployed into complex full mesh network environments that require maximum network availability.
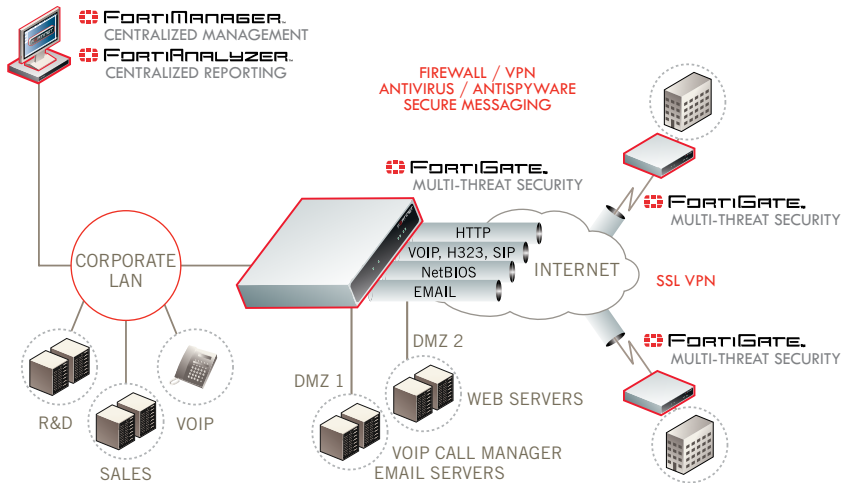
Technical Specifications

	FortiGate-200A	FortiGate-224B	FortiGate-300A	FortiGate-400A	FortiGate-500A	FortiGate-800/800F
HARDWARE SPECIFICATION						
Total 10/100 Interfaces	8	26	4	4	8	4
Switch Interfaces	4	24	n/a	n/a	4	n/a
Configurable Ports	n/a	n/a	4	4	4	4
Fixed WAN / DMZ Ports	2/2	2	n/a	n/a	n/a	n/a
Total 10/100/1000 Interfaces (Copper)	n/a	2 (switched)	2	2	2	4 (FG-800 only)
1Gb SFP Interfaces (Fiber)	n/a	n/a	n/a	n/a	n/a	4 (FG-800F only)
SYSTEM PERFORMANCE						
Firewall Throughput (1518 Byte Pkt)	180 Mbps	180 Mbps	1.2 Gbps	1.2 Gbps	1.2 Gbps	2 Gbps
Firewall Throughput (512 Byte)	150 Mbps	150 Mbps	400 Mbps	500 Mbps	600 Mbps	1 Gbps
IPSec VPN Throughput	70 Mbps	70 Mbps	120 Mbps	140 Mbps	150 Mbps	200 Mbps
Antivirus Throughput	30 Mbps	30 Mbps	70 Mbps	100 Mbps	120 Mbps	150 Mbps
IPS Throughput	100 Mbps	100 Mbps	200 Mbps	300 Mbps	400 Mbps	600 Mbps
Gateway-to-Gateway IPSec VPN Tunnels	200	200	1,500	3,000	3,000	3,000
Client-to-Gateway IPSec VPN Tunnels	200	200	1,500	3,000	3,000	3,000
Unlimited User Licenses	Yes	Yes	Yes	Yes	Yes	Yes
Concurrent Sessions	400,000	400,000	400,000	500,000	500,000	800,000
New Sessions/Second	4K	4K	10K	10K	10K	10K
Number of SSL-VPN Users (Recommended)	100	100	200	300	400	500
SSL-VPN Throughput	25 Mbps	25 Mbps	68 Mbps	109 Mbps	116 Mbps	92 Mbps
Policies	2,000	2,000	5,000	5,000	8,000	20,000
Virtual Domains (Max / Default)	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10
*	Antivirus performance is measured based on HTTP traffic with 32Kbyte file attachments and IPS performance is measured base on UDP traffic with 512 byte packet size.					
	Actual performance may vary depends on network traffic and environment					
DIMENSIONS						
Height x Width x Length (in)	1.75 x 16.8 x 10	1.75 x 16.8 x 10	1.75 x 16.8 x 10	1.75 x 17 x 12.6	1.75 x 17 x 12.6	1.75 x 16.75x 12
Height x Width x Length (cm)	4.4 x 42.7 x 25.4	4.4 x 42.7 x 25.4	4.4 x 42.7 x 25.4	4.4 x 43.2 x 32	4.4 x 43.2 x 32	4.4 x 42.7 x 30.5
Weight	7.3 lbs (3.3 kg)	7.3 lbs (3.3 kg)	7.3 lbs (3.3 kg)	11.9 lbs (5.4 kg)	11.9 lbs (5.4 kg)	10 lbs (4.5 kg)
Rack Mountable	Yes	Yes	Yes	Yes	Yes	Yes
AC Power Required	100-240 VAC, 50-60 Hz, 8.0 Amp (Max)					
Power Consumption (Avg)	100W	110W	120W	130W	140W	100W
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					
COMPLIANCE	FCC Class A Part 15, UL/CUL, C Tick, CE, VCCI					
CERTIFICATIONS	ICSA Labs: Firewall, IPSec, SSL, Antivirus, IPS					

FortiOS Security Services

FIREWALL
ICSA Labs Certified (Enterprise Firewall)
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

VIRTUAL PRIVATE NETWORK (VPN)
ICSA Labs Certvified (IPSec)
PPTP, IPSec, and SSL
Dedicated Tunnels
DES, 3DES, and AES Encryption Support
SHA-1/MD5 Authentication
PPTP, L2TP, VPN Client Pass Through
Hub and Spoke VPN Support
IKE Certificate Authentication (v1 & v2)
IPSec NAT Traversal
Automatic IPSec Configuration
Dead Peer Detection
RSA SecurID Support
SSL Single Sign-On Bookmarks
SSL Two-Factor Authentication
LDAP Group Authentication (SSL)

INTRUSION PREVENTION SYSTEM (IPS)
ICSA Labs Certified (NIPS)
Protection From Over 3000 Threats
Protocol Anomaly Support
Custom Signature Support
Automatic Attack Database Update

ANTIVIRUS
ICSA Labs Certified (Gateway Antivirus)
Includes Antispyware and Worm Prevention
   HTTP/HTTPS   SMTP/SMTPS
   POP3/POP3S   IMAP/IMAPS
   FTP   IM Protocols
Automatic "Push" Content Updates from FortiGuard Network
File Quarantine Support
Block by File Size or Type

WEB FILTERING
76 Unique Categories Provided by the FortiGuard Web Filtering Service Categorizes over 2 Billion Web pages
HTTP/HTTPS Filtering
URL/Keyword/Phrase Block
URL Exempt List
Content Profiles
Blocks Java Applet, Cookies, Active X
MIME Content Header Filtering

ANTISPAM
Support for SMTP/SMTPS, POP3/POP3S, IMAP/IMAPS
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

DATA LOSS PREVENTION (DLP)
Identification and Control Over Sensitive Data in Motion
Built-In Pattern Database
RegEx-based Matching Engine for Customized Patterns
Configurable Actions (block/log)
Supports IM, HTTP/HTTPS, and More
Many Popular File Types Supported
International Character Sets Supported

TRAFFIC SHAPING
Policy-based Traffic Shaping
Differentiated Services (DiffServ) Support
Guarantee/Max/Priority Bandwidth

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

MANAGEMENT/ADMINISTRATION OPTIONS
Console Interface (RS-232)
WebUI (HTTP/HTTPS) and Command Line Interface
Telnet / Secure Command Shell (SSH)
Role-Based Administration
Multi-language Support
Multiple Administrators and User Levels
Upgrades and Changes Via FTP and WebUI
System Software Rollback
Central Management via FortiManager (optional)

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

ENDPOINT COMPLIANCE AND CONTROL
Monitor & Control Hosts Running FortiClient Endpoint Security

USER AUTHENTICATION OPTIONS
Local Database
Windows Active Directory (AD) Integration
External RADIUS/LDAP Integration
IP/MAC Address Binding
Xauth over RADIUS for IPSEC VPN
RSA SecurID Support

VIRTUAL DOMAINS (VDOMs)
Separate Firewall/Routing domains
Separate Administrative domains
Separate VLAN interfaces
10 VDOMs (standard)

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

APPLICATION CONTROL
Identify and Control Over 1000 Applications
Control Popular IM/P2P Apps Regardless of Port/Protocol:

AOL-IM	Yahoo	MSN	KaZaa
ICQ	Gnutella	BitTorrent	MySpace
WinNY	Skype	eDonkey	Facebook

FortiGate-200A
FortiGate-224B
FortiGate-300A
FortiGate-400A
FortiGate-500A
FortiGate-800
FortiGate-800F

FortiGuard® Security Subscription Services deliver dynamic, automated updates for Fortinet products. The Fortinet Global Security Research Team creates these updates to ensure up-to-date protection against sophisticated threats. Subscriptions include antivirus, intrusion prevention, web filtering, antispam, vulnerability and compliance management, application control, and database security services.

FortiCare™ Support Services provide global support for all Fortinet products and services. FortiCare support enables your Fortinet products to perform optimally. Support plans start with 8x5 Enhanced Support with return and replace hardware support or 24x7 Comprehensive Support with advanced hardware replacement. Options include Premium Support, Premium RMA, and Professional Services. All hardware products include a 1-year limited hardware warranty and a 90-day limited software warranty.

FORTINET®

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