FortiGate™-50-100 Series

Remote/Branch Office
Small-Medium Business
Customer Premise Equipment

Datasheet

Unified Threat Management Solutions

Blended Security Threats Within The Enterprise

Network security violations can be devastating to businesses. Intellectual property, revenue, customer and company records, and other mission critical resources are at risk. As larger companies work to increasingly lock down their networks, more and more security threats are being targeted at smaller companies. Small office/home offices (SOHO) often lack the infrastructure to meet the technical sophistication of today's complex blended-attack methods and remote offices/branch offices (ROBO) often lack the on-site expertise to tackle such complex security issues. Point-based security appliances are inadequately equipped to protect against these types of attacks because of the multitude of attack vectors used. The Fortinet FortiGate series of SOHO and ROBO security appliances tightly integrate multi-threat protection onto a purpose-built platform to effectively block application- and network-borne attacks—attacks that, if successful, can result in lost productivity and lost revenue.

Cost-Effective Security Platform

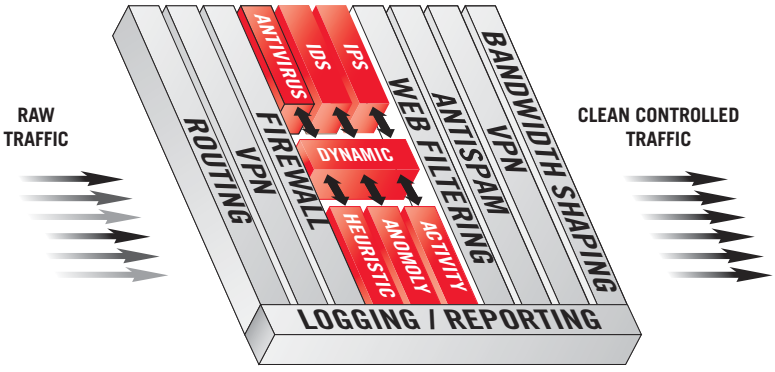
The Fortinet FortiGate series of security appliances deliver high performance, multi-threat protection at a compelling cost that is ideal for securing smaller locations. Complete Unified Threat Management (UTM) features including firewall, VPN, intrusion prevention, Web filtering, antispam, antivirus, antispyware, traffic shaping and IM/P2P controls prevent blended attacks or unauthorized use from interrupting business. All FortiGate devices support High Availability (HA) configurations to ensure maximum uptime. FortiGate appliances operate in either transparent or routing modes and are available with integrated multi-port switches and modems, all of which enable FortiGate devices to adapt to any network environment. Moreover, with Fortinet FortiGuard Security Subscription Services, the FortiGate-50 thru -100 Series become an affordable and easy-to-manage security solution for an enterprise's remote/branch offices, a service provider's customer premise equipment (CPE) or as an all-in-one solution for small-to-medium businesses.

Key Solution Features and Benefits

Industry proven, multi-threat security architecture for small/home offices and remote/branch offices	Delivers powerful, integrated application security ideal for protecting against today's complex threats
Extremely high price/performance 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 appliance form factor	Allows for rapid deployment to quickly secure SOHO/ROBO office networks
Modular software and hardware architecture	Enables rapid support of new technologies, such as VoIP, IM, and P2P, to be secured without interruptions in service
Strong centralized management and analysis with customized and detailed logging and reporting tools	FortiAnalyzer and FortiManager offer extensive reporting, logging, and data archiving options for regulatory compliance, trending, or baselining

The FortiGate Multi-Threat Security Inspection Model

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



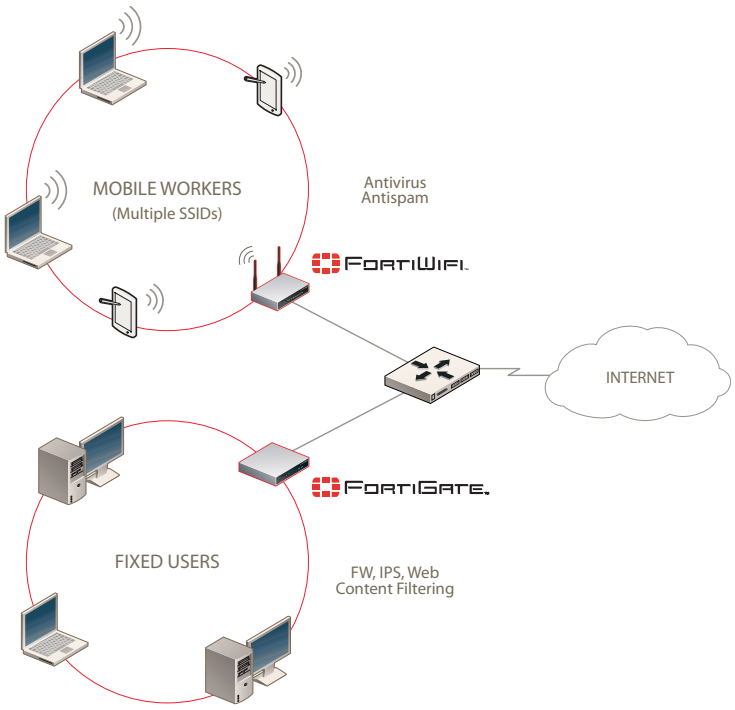
FortiGate Multi-Threat Security Illustrated

The complete line of Fortinet SOHO and ROBO solutions are designed to secure business networks.

Next-Generation SOHO/ROBO Security

Antivirus + Antispam + Firewall + Intrusion Prevention System + Web Content Filtering

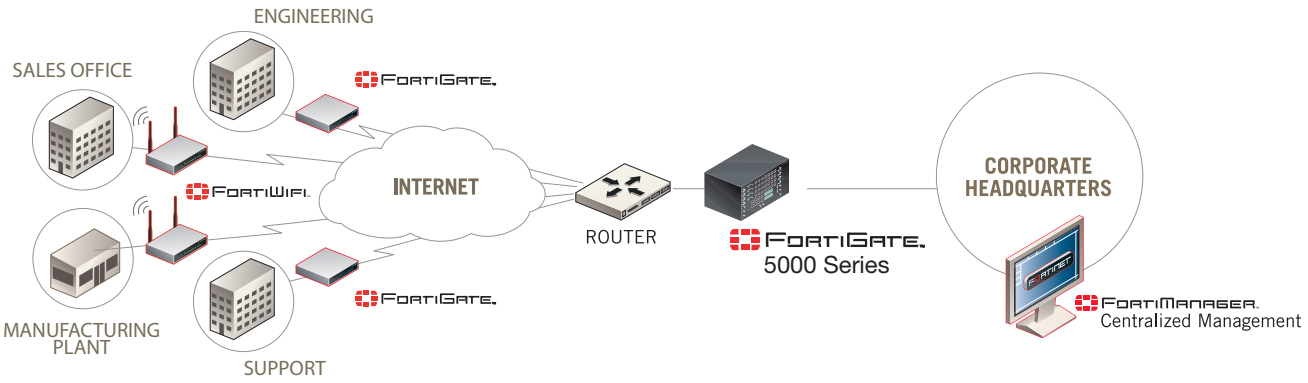
Through the integration of essential security technologies, Fortinet protects both mobile workers and workstations at SOHO and ROBO locations. The FortiWifi series offers the ability to broadcast multiple SSIDs (Service Set Identifiers), maximizing infrastructure flexibility in multi-provider environments and conserving spectrum. Moreover, different security policies can be set for each SSID, increasing security flexibility. To keep resources safe, Fortinet's advanced antivirus, antispyware, antispam, and intrusion prevention systems utilize a combination of signature and heuristic detection engines to provide multi-layered, real-time protection against a multitude of attacks before they can enter a network gateway. High performance is achieved and maintained through the use of the integrated FortiASIC processor.



Enterprise ROBO Deployment

Firewall + VPN + Secure Messaging (Email, IM & P2P security)

Businesses now operate without extensive boundaries. Workers at various remote offices are tasked with vastly different business processes: some use messaging applications while others use database applications. Both are equally protected using Fortinet security solutions. Sales offices that use email and IM applications are protected from blended threats that use multiple methods to attack a system: viruses that spawn dormant Trojans, rootkits, and bots, for example. Combining Fortinet's antivirus and antispam technology with IM and P2P controls, employees are assured that email and IM messaging remain secure and won't result in lost revenue or lost data. Application and database users, such as a remote manufacturing site, are guaranteed secure connectivity—via firewalls and VPNs—to the application servers it uses at the central office. Finally, Fortinet offers a complete management solution for centralized monitoring, reporting, logging, and analysis to ensure that remote offices remain up and running.



Managed Security Service Provider Customer Premise Equipment Deployment

Firewall + Intrusion Prevention + Antivirus + Web Content Filtering

Managed Security Service Providers (MSSPs) can distribute FortiGate appliances throughout their Customer Premise Equipment (CPE) deployments because of the wide array of connectivity options and the modular security architecture. Different customers can be protected in different ways, according to their needs. For example, one set of customers can be protected with a firewall and intrusion prevention system, while another can be protected with a firewall and web content filtering. MSSPs can centrally monitor and manage all customers using FortiManager and FortiAnalyzer for end-to-end reporting, logging, and even forensic analysis of security events.

Fortinet Unified Security Solutions

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

Technical Specifications

HARDWARE SPECIFICATIONS	FortiGate-50B	FortiWiFi-50B	FortiGate-60B	FortiWiFi-60B	FortiGate-60ADSL	FortiGate-100A
LAN Switching Interfaces	3	3	6	6	4	4
WAN Interfaces	2	2	2	2	2	2
DMZ Interfaces			1	1	1	2
Analog Modem			Yes	Yes		
ADSL Interface					Annex A	
Wireless LAN 802.11a/b/g		802.11 b/g		802.11 a/b/g		
USB Ports	2	2	2	2	2	2
Power Over Ethernet (PoE)		Yes				
PC Card Slot*			Yes	Yes		
Supported VDOMs	10	10	10	10	10	10

* PC card is sold separately

SYSTEM PERFORMANCE						
Firewall/VPN 3DES	50/48 Mbps	50/48 Mbps	100/64 Mbps	100/64 Mbps	70/20 Mbps	100/40 Mbps
Concurrent sessions	25,000	25,000	70,000	70,000	50,000	200,000
New Sessions/Second	2,000	2,000	3,000	3,000	2,000	4,000
Site-to-Site IPSec VPN Tunnels	20	20	50	50	50	80
Antivirus Throughput	19 Mbps	19 Mbps	20 Mbps	20 Mbps	15 Mbps	20 Mbps

DIMENSIONS	1.38 inches	1.38 inches	1.75 inches	1.75 inches	1.75 inches	1.75 inches
(H, W, L, weight)	8.63 inches	8.63 inches	10.87 inches	10.87 inches	10.87 inches	10.87 inches
	5.8 inches	5.8 inches	6.13 inches	6.13 inches	6.13 inches	6.13 inches
	1.5 lbs (0.68 kg)	1.5 lbs (0.68 kg)	5.5 lbs (2.5 kg)	5.5 lbs (2.5 kg)	3.35 lbs (1.5 kg)	1.5 lbs (0.68 kg)
POWER CONSUMPTION (AVG)	6W	6W	15w	15w	12W	14W

COMPLIANCE: FCC Class A (FG-100A), FCC Class B (FG-50-60), Part 15, UL/CUL, C Tick, CE, VCCI

AC POWER REQUIRED: 100-240 VAC, 50-60 Hz, 0.8 Amp (Max)

CERTIFICATIONS: ICSA Labs Certified: Firewall, Antivirus, IPS, IPSec VPN, SSL-VPN
NSS Labs Approved (UTM), Common Criteria (EAL 4+), FIPS 140-2
(Please contact your Fortinet Sales Representative for a complete list of product certifications)

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

The Fortinet ASIC-based Advantage

The FortiASIC family of content processors (CP) and network processors (NP) form the foundation of Fortinet's unique technology. FortiASIC-CP series use an intelligent, proprietary content scanning engine that accelerates the compute-intensive actions which generally perform slowly on general purpose processors. They also contain acceleration algorithms for encryption so that FortiGate can perform antivirus scanning on VPN tunnels ensuring clean and controlled communications. FortiASIC-NP series use proprietary network processor acceleration, delivering extreme performance and security at a compelling total cost of ownership.

The Complete FortiGate Solution

Fortinet's multi-threat security solutions include an integrated, all-in-one security appliance and optional FortiCare™ Support and FortiGuard™ Security Subscription Services. These offerings include everything from technical support, security content updates, hardware warranty and hardware exchange service to ensure that your investment remains current and your corporate resources are protected against the latest blended threats.

Technical Specifications

FortiGate-50B	FortiWiFi-50B	FortiGate-60B	FortiWiFi-60B	FortiGate-60ADSL	FortiGate-100A

All FortiGate solutions offer the following features:

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 Certified (IPSec & SSL)
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
IPSec NAT Traversal
Dead Peer Detection
RSA SecurID Support

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/SMTP/POP3/IMAP/FTP/IM and Encrypted VPN Tunnels
Automatic "Push" Virus Database Update
File Quarantine Support
Block by File Size or Type

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

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

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
Route Between Zones
Route Between Virtual LANs (VDOMS)
Multi-Link Aggregation (802.3ad)

MANAGEMENT/ADMINISTRATION OPTIONS
Console Interface (RS-232)
WebUI (HTTP/HTTPS)
Telnet / Secure Command Shell (SSH)
Command Line Interface
Role-Based Administration
Multi-language Support
Multiple Administrators and User Levels
Upgrades and Changes Via TFTP 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

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

INSTANT MESSENGER / PEER-TO-PEER ACCESS CONTROL

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

FortiGuard Security Subscription Services
Includes:
- Automatic push updates from the FortiGuard Network for antivirus and intrusion prevention security content.
- Complete Wildlist virus protection from over 4,500 active malware threats from FortiGuard's database of over 60,000 malware threats.
- 76 rated Web categories for greater control and accuracy.
- Web filtering for more than 29 million rated domains and 2 billion rated Web pages.
- Real time spam queries to ensure accurate filtering of unsolicited bulk mail.

FortiCare Support Services
Includes:
- 24/7/365 FortiCare Web-based support
- 1-Year limited hardware warranty
- Technical account management service available
- 8x5 telephone-based technical support (24x7 - optional)
- 90-day limited software warranty
- Professional services available

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