

# FortiGate-50-100 Series

For Enterprise SOHO/ROBO and MSSP Security CPE

Datasheet

## Unified Protection 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, turnkey integrated multi-threat protection at a compelling cost that is ideal for securing SOHO and ROBO. Complete Unified Threat Management (UTM) features including firewall, VPN, intrusion prevention, web content filtering, antispam, antivirus, antispysware, IM and P2P controls prevent blended attacks from affecting your network. FortiGate appliances are available in many configurations and offer multiple security modules that offer flexibility, connectivity, and security. Wired and wireless versions offer integrated multi-port switches, up to 4 LAN/WAN interfaces and 2 DMZ interfaces, and integrated modems to ensure that the ROBO and SOHO solutions offer both security and connectivity. Moreover, with Fortinet FortiGuard Security Subscription Services, the FortiGate-50 through -100 series becomes an affordable and easy-to-manage security solution for small or home offices as well as remote or branch offices.

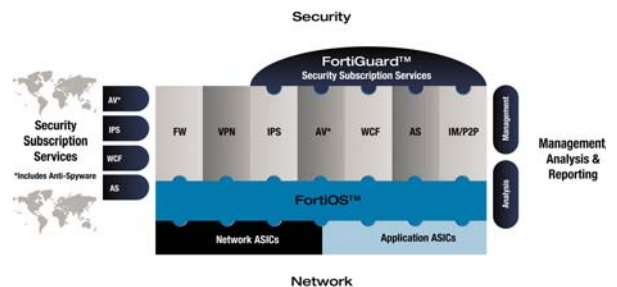


## Key Solution Features and Benefits

<ul style="list-style-type: none"> <li>Industry proven, multi-threat security architecture for small/home offices and remote/branch offices</li> </ul>	Delivers powerful, integrated application security ideal for protecting against today's complex threats
<ul style="list-style-type: none"> <li>Extremely high price/performance ratio with unlimited number of users</li> </ul>	Low total cost of ownership, high performance via custom ASIC, and wide range of deployment options matches complex network security requirements
<ul style="list-style-type: none"> <li>Easy-to-deploy, easy-to-manage appliance form factor</li> </ul>	Allows for rapid deployment to quickly secure SOHO/ROBO office networks
<ul style="list-style-type: none"> <li>Modular software and hardware architecture</li> </ul>	Enables rapid support of new technologies, such as VoIP, IM, and P2P, to be secured without interruptions in service
<ul style="list-style-type: none"> <li>Strong centralized management and analysis with customized and detailed logging and reporting tools</li> </ul>	FortiAnalyzer and FortiManager offer extensive reporting, logging, and data archiving options for regulatory compliance, trending, or baselining

### The Fortinet Security Solution Suite

The Fortinet market-leading suite of security applications offer unparalleled protection from today's blended threats. Ultra high performance is achieved by combining custom ASICs with FortiOS, Fortinet's security-hardened operating system. Coupling these with FortiGuard security subscription services enables up-to-the-minute network protection against viruses, spyware, spam, inappropriate web content, and blended threats that propagate via commonly used applications like email, IM, P2P, web, and VoIP.

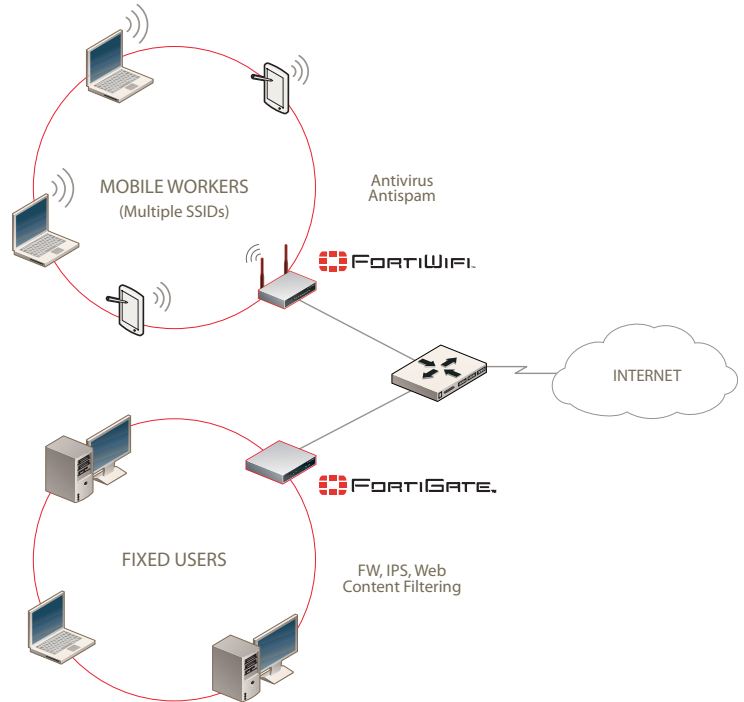


The complete line of Fortinet SOHO and ROBO solutions are designed to secure business networks.

### Next-Generation SOHO/ROBO Security

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

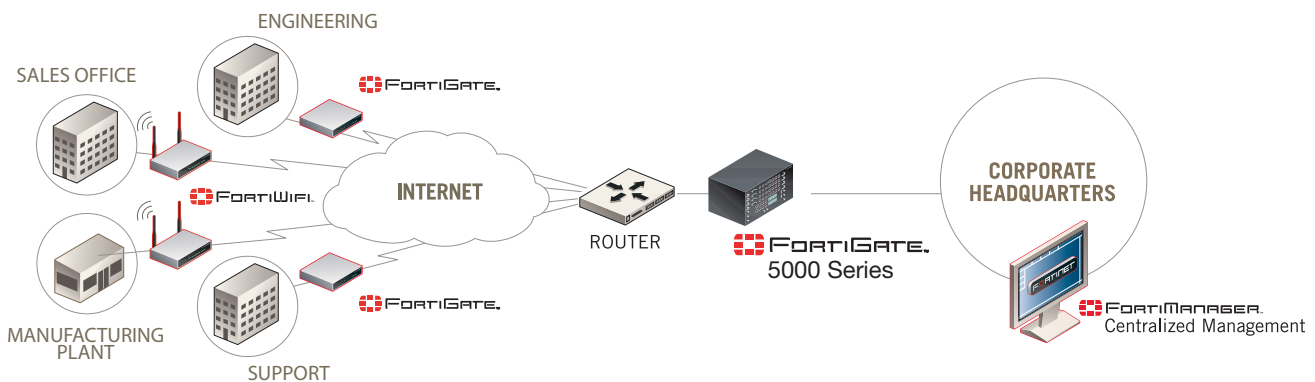
Through the integration of essential security technologies, Fortinet protects both mobile workers and workstations at SOHO and ROBO locations. The FortiWifi series offers the ability to broadcast multiple SSIDs (Service Set Identifiers), maximizing infrastructure flexibility in multi-provider environments 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, antispayware, web content filtering, and antispam
- Automated updates of antivirus, antispayware and IPS signatures  
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-certified and offers a comprehensive command-line interface

## Technical Specifications



HARDWARE SPECIFICATIONS	FortiGate-50B	FortiGate-60/60M	FortiWifi-60A/60AM	FortiGate-60 ADSL	FortiGate-100A
LAN Switching					
Interfaces	3	4	4	4	4
WAN Interfaces	2	2	2	2	2
DMZ Interfaces	1	1	1	1	2
Analog Modem		60M	60AM		
ADSL Interface				Annex A	
Wireless LAN					
802.11a/b/g			Yes		
USB Ports	2	2	2	2	2

### SYSTEM PERFORMANCE

Firewall/VPN 3DES	50/48 Mbps	70/20Mbps	70/20 Mbps	70/20 Mbps	100/40 Mbps
Concurrent sessions	25,000	50,000	50,000	50,000	200,000
New sessions/second	2,000	2,000	2,000	2,000	4,000
Site-site IPSec VPN tunnels	20	50	50	50	80
Antivirus throughput	19 Mbps	15 Mbps	15 Mbps	15 Mbps	20 Mbps

### SECURITY FEATURES

Gateway antivirus protections (virus, spyware, trojan)	Yes	Yes	Yes	Yes	Yes
Integrated IPS (signature and anomaly detection)	Yes	Yes	Yes	Yes	Yes
Integrated URL filtering	Yes	Yes	Yes	Yes	Yes
Integrated spam filtering	Yes	Yes	Yes	Yes	Yes
VPN (IPSec, SSL, PPTP)	Yes	Yes	Yes	Yes	Yes
VOIP Security (H.323, SIP)	Yes	Yes	Yes	Yes	Yes

### NETWORKING FEATURES

DHCP/PPPoE client/Static IP	Yes	Yes	Yes	Yes	Yes
DHCP Server	Yes	Yes	Yes	Yes	Yes
One-to-one NAT	Yes	Yes	Yes	Yes	Yes
Static and Dynamic routing (BGP, OSPF, RIP)	Yes	Yes	Yes	Yes	Yes
Traffic shaping	Yes	Yes	Yes	Yes	Yes

## Technical Specifications



USER AUTHENTICATION	FortiGate-50B	FortiGate-60/60M	FortiWiFi-60A/60AM	FortiGate-60 ADSL	FortiGate-100A
Radius, LDAP, Active Directory .....	Yes	Yes	Yes	Yes	Yes
Local database .....	Yes	Yes	Yes	Yes	Yes
User group support .....	Yes	Yes	Yes	Yes	Yes

### MANAGEMENT, REPORTING, LOGGING

Centralized Management (FortiManager) .....	Yes	Yes	Yes	Yes	Yes
Centralized logging (FortiAnalyzer) .....	Yes	Yes	Yes	Yes	Yes
Syslog .....	Yes	Yes	Yes	Yes	Yes
Email notification of alerts, viruses .....	Yes	Yes	Yes	Yes	Yes
CLI (console, SSH, telnet) .....	Yes	Yes	Yes	Yes	Yes
Web UI (HTTPS, HTTP) .....	Yes	Yes	Yes	Yes	Yes

### OPTIONAL SUBSCRIPTION SERVICES

Automatic and scheduled Antivirus and IPS updates .....	Yes	Yes	Yes	Yes	Yes
URL categorizing .....	Yes	Yes	Yes	Yes	Yes
Antispam RBL/SURBL .....	Yes	Yes	Yes	Yes	Yes

<b>DIMENSIONS</b> .....	1.38 inches,	1.38 inches,	1.75 inches,	1.75 inches,	1.75 inches,
(H, W, L, weight)	8.63 inches,	8.63 inches,	10.25 inches,	10.87 inches,	10.87 inches,
	5.8 inches,	6.13 inches,	6.13 inches,	6.13 inches,	6.13 inches,
	1.5 lb (0.68 kg)	1.5 lb (0.68 kg)	1.5 lb (0.68 kg)	3.35 lb (1.5 kg)	3.45 lb (1.6 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** ..... 100-240 VAC, 50-60 Hz, 0.8 Amp max

### Fortinet's ASIC-based advantage

Fortinet's 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 appliances can perform antivirus scanning on VPN tunnels ensuring clean and controlled communications.

### FortiOS: Developed for Security

Fortinet's FortiOS is developed by Fortinet solely for security and performance. FortiOS features full routing (BGP, OSPF, RIP), complete logging and auditing for forensic analysis, granular Virtual Security Domain (VDM) support, and a complete command line interface (CLI). No third-party software applications are included that might lead to a vulnerability. It is Common Criteria Certified EAL 4+.

### 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, hardware warranty, antivirus updates, antispam, and web filtering to ensure that your investment remains current and your company resources are protected against the latest blended threats.

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