



DATASHEET

# FortiGate®/FortiWiFi™-50B/51B

## Integrated Threat Management for Smaller Offices



### Enterprise-Class Protection for Remote Offices, Retail, and Customer Premise Equipment

The FortiGate-50B/51B and FortiWiFi-50B multi-threat security platforms deliver comprehensive enterprise-class protection for smaller locations at an affordable price. The FortiGate/FortiWiFi-50 series platforms make it easy for you to protect your smaller locations, branch offices, customer premise equipment (CPE) and retail networks. With the FortiGate platforms' integrated set of essential security technologies, you can deploy a single device that protects all of your applications and data. The simple per-device pricing, integrated management console, and remote management capabilities significantly reduce your costs associated with deploying and managing complete protection.

### Comprehensive Protection and Optional Internal Storage

The FortiGate multi-threat security platforms deliver an unmatched range of security technologies. They integrate firewall, IPSec and SSL VPN, antivirus, antispam, intrusion prevention and web filtering into a single device at a single price. They also include data loss prevention (DLP), application control, and endpoint NAC.

In addition, Fortinet's Global Threat Research Team is on duty around the clock and around the world, looking for any changes in the threatscape. It delivers dynamic threat updates to protect your network against emerging threats.

The FortiGate/FortiWiFi-50 series platforms specifically address many policy enforcement requirements included in government or industry regulations, such as the PCI Data Security Standard. The internal storage in the FortiGate-51B enables local caching of data for policy compliance and industry best practices. The internal storage also enables WAN optimization, which lowers your networking costs and improves your application and network performance by reducing the amount of data transmitted over your WAN.

### Purpose-Built Performance and Reliability

Fortinet's purpose-built hardware and software prevent your network security from becoming your network bottleneck. FortiASIC processors maximize throughput while preventing unauthorized access and eliminating unwanted traffic from your network. The custom FortiOS operating system minimizes delays in processing your data while efficiently enforcing your policies.

### The FortiGate Product Family: Integrated Multi-Threat Protection

The FortiGate product family provides cost-effective, comprehensive protection against network, content, and application-level threats. It defends your environment from complex, sophisticated attacks without degrading network availability and affecting application performance.

FortiGate platforms combine the purpose-built FortiOS™ security operating system with custom FortiASIC processors and other hardware to provide a comprehensive and high-performance array of security and networking functions.

The FortiGate product family delivers the highest level of network, content, and application security for enterprises of all sizes, while reducing total cost of ownership. With Fortinet, you deploy the network security you need to protect your intellectual property, preserve the privacy of critical customer information, and maintain regulatory compliance.

### Features

### Benefits

**Enterprise-grade protection for small networks**

Enables smaller organizations or large organizations with many remote locations to deploy FortiGate's unmatched protection and performance at an affordable price

**Internal storage in FortiGate-51B**

Provides local archiving of data for policy compliance or optimized WAN traffic for lower network costs

**Centralized management**

FortiManager and FortiAnalyzer centralized management and reporting appliances simplify the deployment, monitoring, and maintenance of the security infrastructure

### Industry Certification





## FortiOS 4.0: Redefining Network Security

FortiOS 4.0 is the software foundation of FortiGate multi-threat security platforms. Developed solely for security, performance and reliability, it is a purpose-built operating system that leverages power of the FortiASIC content and network processors. FortiOS software enables a comprehensive suite of security services: Firewall, VPN, intrusion prevention, antivirus/antispam, antispam, web filtering, application control, data loss prevention, and end point network access control.

Technical Specifications	FortiGate-50B	FortiGate-51B	FortiWiFi-50B
<b>Hardware Specifications</b>			
10/100 WAN Interfaces (Copper, RJ-45)		2	
10/100 Internal Switch Interfaces (Copper, RJ-45)		3	
Console (Copper, RJ-45)		1	
USB Interfaces		2	
Internal Storage	N/A	32 GB	N/A
Wireless Standards Supported	N/A	N/A	802.11 b/g
<b>System Performance</b>			
Firewall Throughput (1518 byte UDP packets)		100 Mbps	
Firewall Throughput (512 byte UDP packets)		50 Mbps	
IPSec VPN Throughput		48 Mbps	
IPS Throughput		50 Mbps	
Antivirus Throughput		19 Mbps	
Gateway-to-Gateway IPSec VPN Tunnels		20	
Client-to-Gateway IPSec VPN Tunnels		20	
Concurrent Sessions		25,000	
New Sessions/Sec		2,000	
Concurrent SSL-VPN Users (Recommended Max)		20	
SSL-VPN Throughput		15 Mbps	
Firewall Policies (Max)		2,000	
Virtual Domains (Max / Default)		10 / 10	
Unlimited User Licenses		Yes	
Mean Time Between Failures		More than 5 years	
<b>Dimensions</b>			
Height x Width x Length (in)		1.38 x 8.63 x 5.8 in	
Height x Width x Length (cm)		3.51 x 21.92 x 14.73cm	
Weight		1.5 lbs (0.68 kg)	
Wall Mountable		Yes	
<b>Environment</b>			
Power Required		100-240 VAC, 50-60 Hz, 0.8 Amp (Max)	
Power Consumption (AVG)		6W	
Heat Dissipation	42 BTU	46 BTU	42 BTU
Operating Temperature		32 – 104 deg F (0 – 40 deg C)	
Storage Temperature		-13 to 158 deg F (-25 to 70 deg C)	
Humidity		5 to 95% non-condensing	
<b>Compliance</b>			
		FCC Class B, UL/CUL, C Tick, CE, VCCI	
<b>Certifications</b>			
		ICSA Labs: Firewall, Antivirus, SSL VPN, IPS, FIPS 140-2, Common Criteria (EAL 4+)	
<small>Antivirus performance is measured based on HTTP traffic with 32 Kbyte file attachments.            IPS performance is measured base on NSS like test methodology with 44K HTTP files.</small>			



## Fortinet's ASIC-Based Advantage

FortiASIC is the foundation of Fortinet's unique hardware technology. FortiASIC is a family of purpose built, high-performance network and content processors that uses an intelligent proprietary content scanning engine and multiple algorithms to accelerate compute-intensive security services. FortiASIC provides the performance required to deliver enterprise and carrier-class UTM services. Coupled with the FortiOS security hardened Operating System, FortiASIC delivers extreme performance and security.

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 replacement or 24x7 Comprehensive Support with advanced replacement. Options include Premium Support, Premium RMA, and Professional Services. All hardware products include a 1-year limited hardware warranty and 90-day limited software warranty.

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