FortiGate™ 50A/100

Real-time Network Protection for SOHO/Branch Office

FortiGate™ Antivirus Firewalls are dedicated, hardware-based units that deliver complete, real-time network protection services at the network edge. Based on Fortinet's revolutionary FortiASIC™ Content Processor chip, the FortiGate platforms are the only systems that can detect and eliminate viruses, worms, and other content-based threats without reducing network performance — even for real-time applications like Web browsing. FortiGate systems also include integrated firewall, content filtering, VPN, intrusion detection and prevention, and traffic shaping functions, making them the most cost effective, convenient, and powerful network protection solutions available.

PC PRO RECOMMENDED

PC MAGAZINE "5 out of 5"

ICSA labs CERTIFIED www.ICSAlabs.com Antivirus Intrusion Detection Firewall IPSec

Tailored for the needs of smaller offices, the FortiGate-50A and FortiGate-100 systems deliver the same enterprise class, network-based antivirus, content filtering, firewall, VPN, and network-based intrusion detection/prevention featured in all FortiGate models. Both the FortiGate-50A and FortiGate-100 support an unlimited number of users, and are ideally suited for small businesses, remote offices, retail stores, broadband telecommuter sites, and many other applications. The capabilities and speed of the FortiGate-50A are unmatched by comparable devices in its class. The FortiGate-100 includes all of the capabilities of the FortiGate-50A and adds a DMZ port, traffic shaping, and increased throughput. The FortiGate-50A and FortiGate-100 are kept up to date automatically by Fortinet's FortiProtect Network, which provides continuous updates that ensure protection against the latest viruses, worms, Trojans, intrusions and other threats — around the clock, and around the world.

Product Highlights

- Provides complete real-time network protection through a combination of network-based antivirus, web content filtering, firewall, VPN, and network-based intrusion detection and prevention
- Eliminates viruses and worms from email, file transfer, and real-time (Web) traffic without degrading network performance
- Easy to use and deploy – quick and easy configuration wizard walks administrators through initial setup with graphical user interface
- Reduces exposure to threats by detecting and preventing over 30 different intrusions, including DoS and DDoS attacks
- Boasts the best combination of price, performance, and value relative to all other products on the market
- Delivers superior performance and reliability from hardware accelerated, ASIC-based architecture
- Automatically downloads the latest virus and attack database and can accept instant "push" updates from the FortiProtect Network
- Manage thousands of FortiGate units through the FortiManager™ central management tool
- Underlying FortiOS™ operating system is ICSA-certified for Antivirus, Firewall, IPSec VPN, and Intrusion Detection
- Virus quarantine enables easy submission of attack sample to Fortinet Threat Response Team
- Web-based graphical user interface and content filtering supports multiple languages

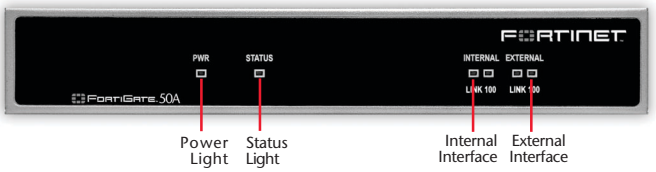
FortiGate™ 50A/100

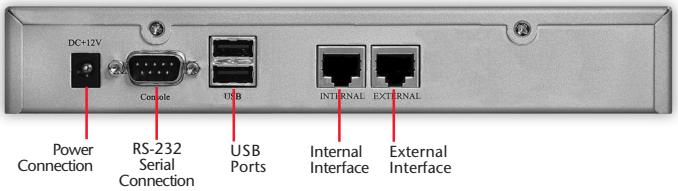
Key Features & Benefits

Feature	Description	Benefit
Network-based Antivirus (ICSA Certified)	Detects and eliminates viruses and worms in real-time. Scans incoming and outgoing email attachments (SMTP, POP3, IMAP) and Web (HTTP) and file transfer (FTP) traffic — without degrading Web performance	Closes the vulnerability window by stopping viruses and worms before they enter the network
AV-VPN	Scans and eliminates viruses and worms found in encrypted VPN tunnels	Prevents infection by remote users and partners
Firewall (ICSA Certified)	Industry standard stateful inspection firewall	Certified protection, maximum performance and scalability
Web Content Filtering	Processes Web content to block inappropriate material and malicious scripts via URL blocking and keyword/phrase blocking	Assures improved productivity and regulatory compliance
VPN (ICSA Certified)	Industry standard PPTP, L2TP, and IPSec VPN support	Lower costs by using the public Internet for private site-to-site and remote access communications
Intrusion Detection (ICSA Certified)	Customizable database of over 1300 attack signatures	Addresses the growing threat from blended attacks
Intrusion Prevention	Active prevention of over 30 intrusions and attacks, including DoS and DDoS attacks, based on user-configurable thresholds.	Stops the most damaging attacks at the network edge
Remote Access	Supports secure remote access from any PC equipped with Fortinet Remote VPN Client	Low cost, anytime, anywhere access for mobile and remote workers and telecommuters

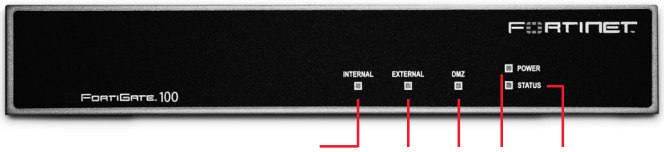
System Specifications

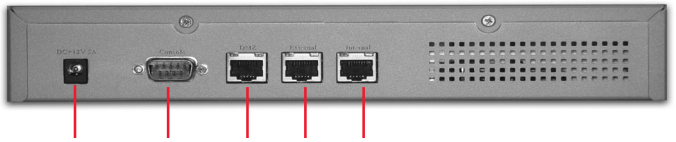
FortiGate-50A





FortiGate-100





FortiGate™ 50A/100

Specifications

	FortiGate-50A	FortiGate-100
Interfaces		
10/100 Ethernet Ports	2	3
DMZ port		•
System Performance		
Concurrent sessions	25,000	200,000
New sessions/second	1000	4,000
Firewall throughput (Mbps)	50	95
168-bit Triple-DES throughput (Mbps)	10	25
Users	Unrestricted	Unrestricted
Policies	500	1000
Schedules	256	256
Antivirus, Worm Detection & Removal		
Automatic virus database update from FortiProtect Network	•	•
Scans HTTP, SMTP, POP3, IMAP, and encrypted VPN Tunnels	•	•
Block by file size	•	•
Firewall Modes and Features		
NAT, PAT, Transparent (bridge)	•	•
Routing mode (RIPv1, v2)	•	•
User Group-based authentication	•	•
H.323 NAT Traversal	•	•
WINS support	•	•
VPN		
PPTP, L2TP, and IPSec	•	•
Dedicated tunnels	20	80
Encryption (DES, 3DES, AES)	•	•
SHA-1 / MD5 authentication	•	•
Supports Fortinet Remote VPN Client	•	•
PPTP, L2TP, VPN client pass though	•	•
Hub and Spoke VPN support	•	•
IKE certificate authentication (X.509)	•	•
Manual key and Auto key IKE	•	•
IPSec NAT Traversal	•	•
Aggressive mode	•	•
Replay protection	•	•
Remote access VPN	•	•
Interoperability with major VPN vendors	•	•
Content Filtering		
URL block	•	•
Keyword/Phrase block	•	•
URL Exempt List	•	•
Content policy profiles	32	32
Block Java Applet, Cookies, Active X	•	•
Email filtering (keyword, blacklist, exempt list)	•	•
Intrusion Detection and Prevention		
Detection for over 1300 attacks	•	•
Prevention for over 30 attacks	•	•
Detection and prevention on multiple interfaces	•	•
Customizable detection signature list	•	•
Automatic attack database update from FortiResponse Network	•	•
Logging/Monitoring		
Log to remote Syslog/WELF server	•	•
SNMP	•	•
Graphical real-time and historical monitoring	•	•
Email notification of viruses and attacks	•	•
VPN tunnel monitor	•	•

	FortiGate-50A	FortiGate-100
Networking		
Multiple WAN link support		•
PPPoE client	•	•
DHCP client	•	•
DHCP server (Internal)	•	•
Policy-based routing	•	•
System Management		
Console interface (RS-232)	•	•
WebUI (HTTPS)	•	•
Multi-language support	•	•
Command line interface	•	•
Secure Command Shell (SSH)	•	•
FortiManager System	•	•
Administration		
Multiple administrators and user levels	•	•
Upgrades & changes via TFTP & WebUI	•	•
System software rollback	•	•
Trusted host enforcement (IP/mac binding)	•	•
User Authentication		
Internal database	•	•
LDAP support	•	•
RADIUS (external) database	•	•
IP/MAC address binding	•	•
Xauth over RADIUS support for IPSec VPN authentication	•	•
Traffic Management		
Guaranteed bandwidth	•	•
Maximum bandwidth	•	•
Priority assignment	•	•
Dimensions		
Height	1.38 inches	1.75 inches
Width	8.63 inches	10.25 inches
Length	6.13 inches	6.13 inches
Weight	1.5 lb (0.68 kg)	1.75 lb (0.8 kg)
Power		
DC input voltage	12V	12V
DC input current	3A	5A
Environmental		
Operating Temperature	32 to 104 °F (0 to 40 °C)	32 to 104 °F (0 to 40 °C)
Storage Temperature	-13 to 158 °F (-25 to 70 °C)	-13 to 158 °F (-25 to 70 °C)
Humidity	5 to 95% non-condensing	5 to 95% non-condensing
Compliance & Certifications		
FCC Class A Part 15	•	•
CSA/CUS	•	•
CE	•	•
ICSA Antivirus	•	•
ICSA Firewall	•	•
ICSA IPSec	•	•
ICSA Intrusion Detection	•	•

FortiGate™ 50A/100

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