# FortiGate-51B
# FortiGate-111C

WAN Optimization and Security for SME, ROBO, and CPE Networks

Datasheet

In order to comply with legislation and secure the valuable data traversing networks, small and medium enterprises (SME), remote offices and branch offices (ROBO), and customer premise equipment (CPE) networks need a security solution that integrates multiple attack recognition technologies into a single device. With limited budgets and modest remote resources, these smaller networks desire a cost effective solution that is simple to install, connect and maintain. Just as importantly, networks are ever-expanding and need a solution that leaves them with room to grow over time. Ideally, these networks could avoid the installation and maintenance complexities of numerous point products by combining multiple networking and security technologies into a single device.

The FortiGate-51B and FortiGate-111C are multi-function security devices that protect and connect remote and branch offices, retail networks, and telecommuters to centralized headquarter or regional offices. The FG-51B and FG-111C combine firewall, IPSec and SSL VPN, antivirus, antispam, intrusion prevention and web filtering into a single device to reduce the management costs and complexities of deploying each of these technologies independently. Taking advantage of the recently introduced FortiOS 4.0 operating system, the FG-51B and FG-111C also boast data leakage prevention, identity-based policies, IPS enhancements, and application control to offer protection against Web 2.0 threats and evasive applications and users. Because both of these FortiGate models ship with a built-in solid state disk drive, they can also support the new WAN Optimization features of FortiOS 4.0. This WAN Optimization functionality increases network performance by reducing the amount of communication and data transmitted between applications and servers across a WAN. In addition to the simplicity of uniting multiple ICSA-Labs certified security technologies on a single device, the FortiGate-51B and FortiGate-111C leverage the power of FortiOS 4.0 to reduce resource and bandwidth requirements and save networking costs.



FortiGate-51B



FortiGate-111C

| Feature | Benefit |
|---|---|
| WAN Optimization | Reduced data transmission, bandwidth requirements, and server requirements translates into improved productivity, accelerated networks, and reduced networking costs |
| Enterprise-class UTM functionality in a single device | Lower cost of ownership and PCI compliance with a complete set of functions including firewall, intrusion prevention, IPSec VPN, SSL VPN, antivirus, antispam, antispyware, and URL filtering |
| FortiOS 4.0 advanced UTM feature set | FortiOS 4.0 introduces over 40 new features, including data leakage prevention, WAN optimization, identity-based policies, and application control for robust security policies |
| Integrated multi-port switch | Eliminates the need for external switches, and provides enhanced connectivity options |
| Multiple WAN interfaces | Dual 10/100/1000 Ethernet, ExpressCard 3G, and dial modem offer redundant WAN connections to ensure availability |
| High-performance custom hardware | FortiASIC-CP6, the latest generation of FortiASIC, accelerates UTM functions to ensure security is never a bottleneck |
| Local hard disk drive | Facilitates compliance through local logging and quarantine, with auditable logs stored locally |

| | FG-51B | FG-111C |
|---|---|---|
| **Hardware Specifications** | | |
| Total Interfaces | 5 | 10 |
| Ethernet WAN Ports | 2 x 10/100 | 2 x 10/100/1000 |
| Ethernet Internal Switch or Security Zone Ports | 3 x 10/100 | 8 x 10/100 |
| Storage | 32 GB Solid State Drive | 64 GB Solid State Drive |
| **System Specifications** | | |
| Firewall Throughput – Avg Size Packets (512 byte) | 50 Mbps | 500 Mbps |
| IPSec VPN Throughput | 48 Mbps | 100 Mbps |
| Antivirus Throughput* | 19 Mbps | 65 Mbps |
| IPS Throughput* | 30 Mbps | 200 Mbps |
| Dedicated IPSec VPN Tunnels | 20 | 1,500 |
| Concurrent Sessions | 25,000 | 400,000 |
| New Sessions/Sec | 2,000 | 10,000 |
| Policies | 2,000 | 4,000 |
| Unlimited User Licenses | Yes | Yes |
| **Dimensions** | | |
| Height, Width, Length | 1.38 x 8.63 x 5.8 inches (3.51 x 21.92 x 14.73 cm) | 1.8 x 13 x 10 inches (4.6 x 33 x 25.4 cm) |
| Weight | 1.5 lbs (.68 kg) | 6 lbs (2.7 kg) |
| Input Voltage | 100-240 VAC, 50-60 Hz, 8.0 Amp (Max) | 90 - 240 VAC, 50 - 60 Hz, 2.0 Amp (Max) |
| Power Consumption (AVG) | 6W | 55W |
| **Environment** | | |
| Operating temperature | 32 to 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 | |
| Compliance | FCC Class B Part 15, UL/CUL, C Tick, CE, VCCI | FCC Class A Part 15, UL/CUL, C Tick, VCCI |

* Antivirus performance is measured based on HTTP traffic with 32Kbyte file attachments and IPS performance is measured based on UDP traffic with 512byte packet size. Actual performance may vary depending on network traffic and environments.

## The Fortinet Product Family

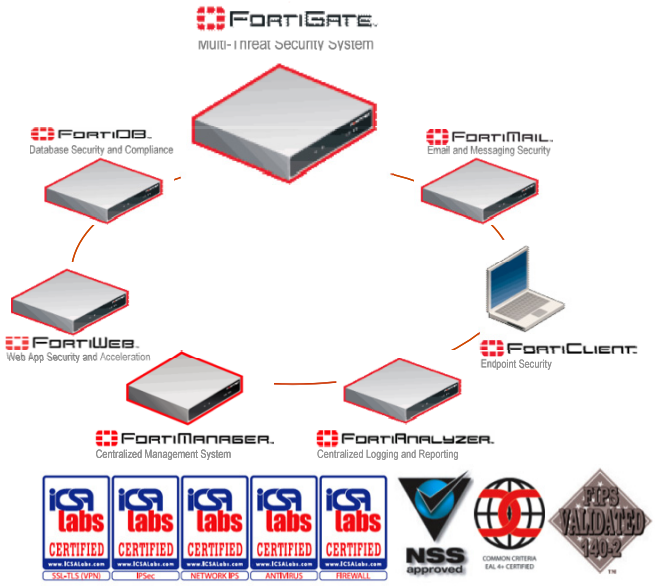
The FortiGate-51B and FortiGate-111C multi-function security appliances protect and connect ROBO, SMB and CPE networks, and are complemented by additional members of the FortiGate multi-threat security appliance family, the FortiDB database security family, the FortiWeb web security family, the FortiMail email security family, the FortiClient endpoint security family, and the FortiManager and FortiAnalyzer centralized management, reporting and logging solutions.

## 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.

## 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 enables a comprehensive suite of security services – content inspection firewall, IPS, antivirus, web filtering, antispam, IM/P2P, virtual network security and bandwidth shaping. Recent improvements to FortiOS include identity-based policies, IPS enhancements, application control, WAN optimization, and data leakage prevention.




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