

FortiGate®-1240B

Multi-Threat Security Appliance



Complex Security Threats are Driving Consolidation

The evolution of network security threats is driving the design of security products to include multiple threat recognition systems within a single appliance. The FortiGate multi-threat security appliance from Fortinet is a new generation of secure gateways that fully integrate essential security and networking functions into a single device to identify and stop multiple threats effectively and efficiently. Never before has so much security functionality been consolidated into a single, high-performance device and presented at such a compelling total cost of ownership.

Hardware-Accelerated Performance with High Port Density

The FortiGate-1240B appliance raises the bar in network security devices by integrating a purpose-built processor, known as the FortiASIC™ Network Processor, into the FortiGate system to deliver security throughput at switching speeds. Thirty-eight hardware accelerated ports, of the 40 total on the system, allow networks to enforce firewall policy between network segmentation points for layered security with switch-like performance. An additional purpose-built processor, known as the FortiASIC Content Processor, provides additional acceleration for content intensive security technologies such as intrusion prevention and antivirus scanning. The inclusion of an Advanced Mezzanine Card (AMC) expansion slot and Fortinet Storage Module (FSM) slots allow for even more flexibility, offering additional ASIC-accelerated ports for additional throughput or disk-based storage for local logging and content archiving. With numerous accelerated multi-threat security interfaces, organizations can create multiple security zones for various departments, users, access methods, and even devices to enforce network security at accelerated speeds.

FortiOS 4.0 Software Redefines Networks Security

FortiOS 4.0 software, a key component of the FortiGate multi-threat security platform, was developed solely for security, performance, and reliability. It is a purpose-built operating system that leverages the power of FortiASIC hardware to offer increased levels of security and performance. FortiOS software enables a comprehensive suite of security services – firewall, VPN, intrusion prevention, antimalware, antispam, web filtering, application control, data loss prevention, and end point network access control.

The FortiASIC Advantage

FortiASIC processors power FortiGate platforms. With exclusive hardware, the purpose built, high-performance network and content processors use intelligent and proprietary digital engines to accelerate compute-intensive security services.

Features

Benefits



Unified Security Architecture

FortiGate multi-threat security provides better protection and lowered costs over multiple point security products

Hardware Accelerated Performance

FortiASIC processors provide assurance that the security device will not become a bottleneck in the network

High Port Density

Forty total ports (standard) facilitate numerous internal segmentation points throughout the network

Modular Expansion

AMC and FSM slots provide greater flexibility by supporting additional hardware-accelerated ports and localized storage of event data

Centralized Management

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

| FortiGate-1240B | |
|--|---|
| Hardware Specification | |
| Total Network Interfaces | 40 |
| Hardware Accelerated Base-SFP Interfaces | 24 |
| Hardware Accelerated 10/100/1000 Interfaces | 14 |
| Non-Accelerated 10/100/1000 Interfaces | 2 |
| Advanced Mezzanine Card (AMC) Expansion Slot | 1 Single Width |
| Fortinet Storage Module (FSM) Expansion Slot | 6 |
| Included Storage | 1 FSM-064 (64 GB SSD) |
| System Performance | |
| Firewall Throughput (512 / 1518 byte UDP packets) | 40 Gbps (44 Gbps w/ AMC) |
| Firewall Throughput (64 byte UDP packets) | 38 Gbps (42 Gbps w/ AMC) |
| IPSec VPN Throughput (AES-256 + SHA-1) | 16 Gbps (18.5 Gbps w/ AMC) |
| IPS Throughput | 1.5 Gbps |
| Antivirus Throughput | 900 Mbps |
| Gateway-to-Gateway IPSec VPN Tunnels (System / VDOM) | 10,000 / 5,000 |
| Client-to-Gateway IPSec VPN Tunnels | 20,000 |
| Concurrent Sessions | 2,000,000 |
| New Sessions/Sec | 100,000 |
| Concurrent SSL-VPN Users (Recommended Max) | 1,500 |
| SSL-VPN Throughput | 370 Mbps |
| Firewall Policies (Max) | 100,000 |
| Virtual Domains (Max / Default) | 25 / 10 |
| Unlimited User Licenses | Yes |
| Redundant Power Supplies (Hot Swappable) | Yes |
| Dimensions | |
| Height | 3.5 in (8.87 cm) |
| Width | 17.3 in (44 cm) |
| Length | 21 in (53 cm) |
| Weight | 36 lbs (16.4 Kg) |
| Rack Mountable | Yes |
| Environment | |
| AC Power (FG-1240B) | 100 – 240 VAC, 50 – 60 Hz, 6.3 Amp (Max) |
| DC Power (FG-1240B-DC Required) | -48V DC (Normal) |
| Power Consumption (AVG) | 342 W |
| Heat Dissipation | 1167 BTU |
| Operating Temperature | 32 – 104 deg F (0 – 40 deg C) |
| Storage Temperature | -13 – 158 deg F (-35 – 70 deg C) |
| Humidity | 20 to 90% non-condensing |
| Compliance | |
| | FCC Class A Part 15, UL/CUL, C Tick, VCCI |

In addition to all of the security features offered by the FortiGate multi-threat security appliance, every appliance also includes

- Multiple Deployment Modes (Transparent/Routing)
- Advanced Layer-2/3 Routing Capabilities
- Traffic Shaping and Prioritization
- Virtual Domains (VDOMs)
- Data Center Traffic Optimization
- High Availability (Active/Active, Active/Passive, Clustering)
- WAN Optimization
- Local Web-Based Management Interface
- Command Line Management Interface
- Centralized Management Interface (FortiManager Appliance Required)
- Local Event Logging
- Centralized Event Logging (FortiAnalyzer Appliance Required)
- FortiGuard Analysis and Management Service Support
- Multiple Device Authentication Options



All performance values are "up to" and vary depending on system configuration
 Antivirus performance is benchmarked using HTTP traffic (32 Kbyte objects)
 IPS performance is benchmarked using UDP traffic (512 byte packet size)

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

FORTINET®

GLOBAL HEADQUARTERS

Fortinet Incorporated
 1090 Kifer Road, Sunnyvale, CA 94086 USA
 Tel +1.408.235.7700
 Fax +1.408.235.7737
 www.fortinet.com/sales

EMEA SALES OFFICE – FRANCE

Fortinet Incorporated
 120 rue Albert Caquot
 06560, Sophia Antipolis, France
 Tel +33.4.8987.0510
 Fax +33.4.8987.0501

APAC SALES OFFICE – SINGAPORE

Fortinet Incorporated
 300 Beach Road
 20-01 The Concourse
 Singapore 199555
 Tel: +65-6513-3730
 Fax: +65-6223-678

Copyright© 2010 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, and FortiGuard®, are registered trademarks of Fortinet, Inc., and other Fortinet names herein may also be trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance metrics contained herein were attained in internal lab tests under ideal conditions. Network variables, different network environments and other conditions may affect performance results, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding contract with a purchaser that expressly warrants that the identified product will perform according to the performance metrics herein. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. Fortinet disclaims in full any guarantees. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable. Certain Fortinet products are licensed under U.S. Patent No. 5,623,600.