

FortiGate®-5000 Series

10-Gigabit Ready FortiGate Consolidated Security Systems



Unmatched Performance, Scalability, and Security

The FortiGate-5000 series of consolidated security chassis-based systems offer unmatched levels of performance, scalability, and security. These high-performance, low-latency systems enable service providers, very large enterprises, and telecommunications providers to deliver essential network defenses to dynamic, multi-tenant networks, including cloud-based security-as-a-service and infrastructure-as-a-service environments. Built from the ground up by Fortinet, the FortiGate-5000 series combines three essential elements to achieve these benefits: carrier-class hardware components with advanced FortiASIC™ acceleration, a modular architecture, and multi-threat security from the FortiOS™ operating system.

Carrier-Class High-Performance Hardware

A FortiGate-5000 system can deliver up to 480 Gbps of firewall throughput and up to 132 million concurrent sessions using the modular and scalable expansion inherent to the system. Using FortiGate-5000 series networking blades such as the FortiSwitch-5003B and high-speed fabric modules such as the RTM-XD2, traffic can be distributed to multiple FortiGate security blades within the chassis for maximum performance. The series is also capable of wire-speed firewall performance at 10-Gigabit Ethernet (10-GbE), GbE, and 10/100 link speeds.

Modular Scalability

Since the FortiGate-5000 series hardware is composed of multiple security and networking blades, scalability for future growth comes standard. In addition, select FortiGate security modules also feature Advanced Mezzanine Card (AMC) expansion bays for additional hardware-accelerated network interfaces, local disk-based storage, and security processing offloading to specialized hardware. With four chassis models of varying capacity and an array of network and security options, large enterprises and service providers can easily grow the capacity of the FortiGate-5000 series system as the business grows or security requirements change.

FortiOS 4.0 Software Redefines Networks Security

FortiOS 4.0 is a purpose-built operating system that leverages the power of specialized FortiASIC hardware to offer increased levels of security and performance. Fortinet developed FortiOS 4.0 software solely for the FortiGate consolidated security platform. FortiOS software enables a comprehensive suite of security services – firewall, VPN, intrusion prevention, antimalware, antispam, web filtering, application control, data loss prevention, vulnerability management, and endpoint network access control.

The FortiASIC Advantage

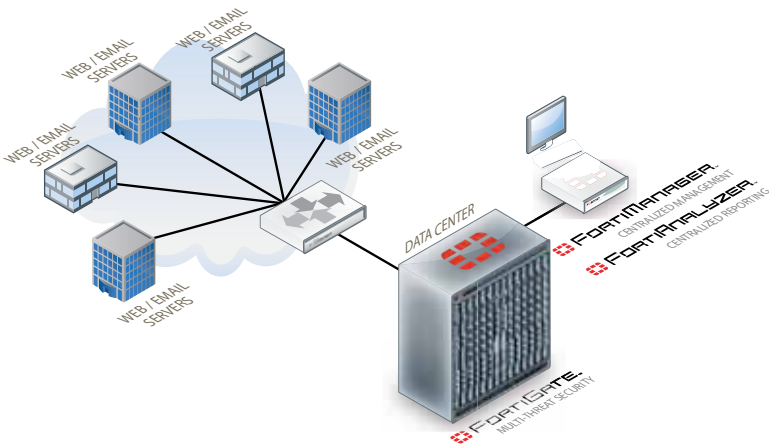
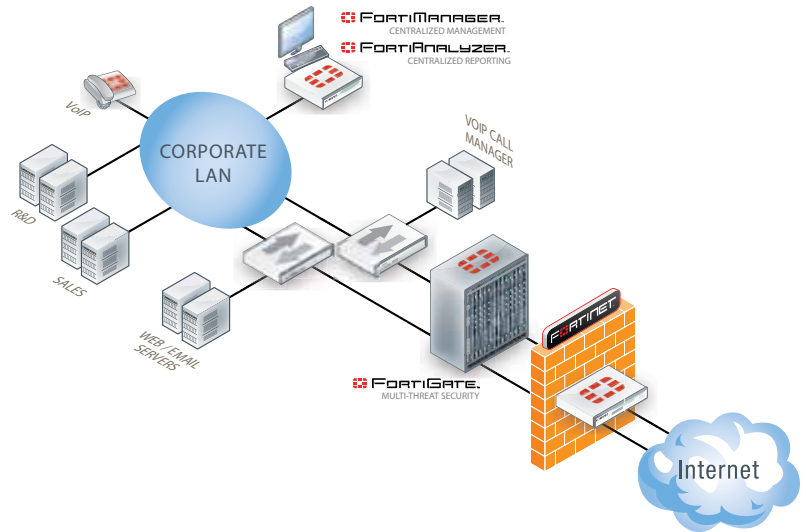
FortiASIC processors power FortiGate platforms. With exclusive hardware, the purpose built, high-performance network, security, and content processors use intelligent and proprietary digital engines to accelerate resource-intensive security services.

		Features	Benefits
		Hardware Accelerated Performance	FortiASIC processors provide assurance that the security device will not become a bottleneck in the network
		Additional Capacity on Demand	Fortinet expansion slots provide greater flexibility by supporting additional hardware-accelerated ports and localized storage of event data
		Unified Security Architecture	FortiGate consolidated security provides better protection and lowered costs over multiple point security products
		Centralized Management	FortiManager and FortiAnalyzer centralized management and reporting appliances simplify the deployment, monitoring, and maintenance of your security infrastructure

Secure large enterprise, service provider, and carrier networks.

Next-Generation Perimeter Security

Firewalls alone aren't enough to block today's blended threats. When single packets are examined by point products with no concern for multi-vector attacks, blended threats often pass undetected. Combining content inspection firewall technology with gateway antivirus and intrusion prevention allows packet flows to be tracked. Fortinet multi-layered security technologies examine entire packet flows, from content inspection through reassembly, stopping threats at the perimeter before corporate resources are compromised.

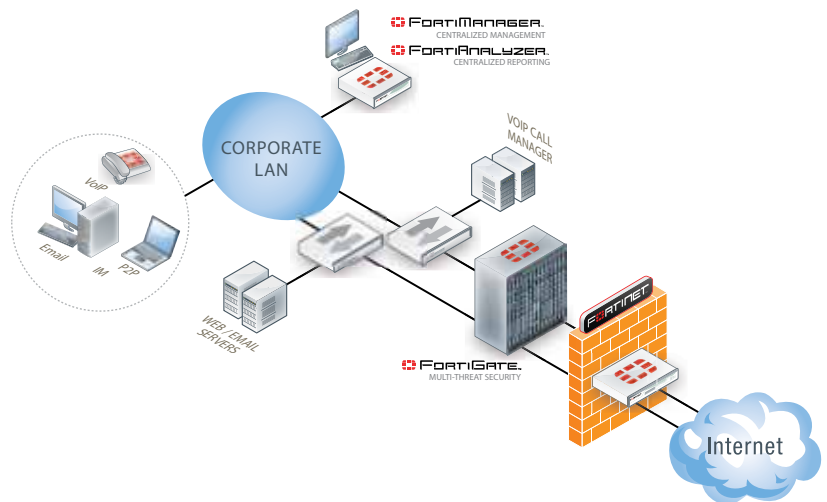


MSSP Core Security

The FortiGate-5000 Series delivers comprehensive security for Managed Security Service Providers (MSSPs). The full suite of ASIC-accelerated security modules allows for customizable features for specific customers, while virtualization features like Virtual Domains (VDMs) provides up to 3,000 separate security domains. Finally, the full suite of Fortinet integrated management applications—including granular reporting features—offer unprecedented visibility into the security posture of customers while illustrating their highest risks.

Secure Messaging

Email is an essential corporate communication tool. Malware has adapted to this trend and email is now a primary vector of transmission for malware threats. Instant messaging and other social media are also quickly becoming a primary propagation vector as adoption rates increase. As with any new technology, IM introduces security risks in the form of a new generation of malware that could potentially infect corporate resources. By combining Fortinet antispam technology, IM and P2P controls, antivirus scanning, and Web filtering, customers can secure email and other messaging, preventing costly data breaches.



Technical Specifications	FortiGate-5020	FortiGate-5050	FortiGate-5060	FortiGate-5140
ATCA Chassis				
Available Slots	2	5	6	14
High Availability Backplane Fabric	Built-in	Built-in	Built-in	Built-in
Dual Switch Module Support	No	Yes	Yes	Yes
Firewall Throughput (Max)	Up to 44 Gbps	Up to 110 Gbps	Up to 240 Gbps	Up to 480 Gbps
IPSec VPN Throughput (Max)	Up to 17 Gbps	Up to 42.5 Gbps	Up to 102 Gbps	Up to 204 Gbps
Concurrent Firewall Sessions (Max)	Up to 4 Million	Up to 10 Million	Up to 66 Million	Up to 132 Million
Dimensions				
Height	5.25 in (13.3 cm)	8.75 in	8.86 in (22 cm)	21 in (53.3 cm)
Width	17 in (43.2 cm)	17 in (43.2 cm)	17.64 in (44.8 cm)	19 in (48.3 cm)
Length	15.5 in (39.4 cm)	15.5 in (39.4 cm)	18.82 in (47.8 cm)	19 in (48.3 cm)
Weight	35.5 lb (16.1 Kg)	17.3 lb (7.85 Kg)	38 (17.3 Kg)	64.5 lb (29.3 Kg)
Environment				
Power Required	AC	DC/AC ¹	DC	DC/AC ¹
Power Consumption (AVG)	-	-	350 W	531 W
Heat Dissipation	-	-	1194 BTU/h	1812 BTU/h
Operating Temperature	32 – 104 deg F (0 – 40 deg C)	32 – 104 deg F (0 – 40 deg C)	41 – 104 deg F (5 – 40 deg C)	32 – 104 deg F (0 – 40 deg C)
Storage Temperature	-13 – 158 deg F (-35 – 70 deg C)	-13 – 158 deg F (-35 – 70 deg C)	23 – 131 deg F (-5 – 55 deg C)	-13 – 158 deg F (-35 – 70 deg C)
Humidity	5 to 90% non-condensing	5 to 90% non-condensing	5 to 85% non-condensing	5 to 90% non-condensing
Compliance				
Certifications	FCC Class A Part 15, UL/CUL, C Tick, VCCI	FCC Class A Part 15, UL/CUL, C Tick, VCCI	-	FCC Class A Part 15, UL/CUL, C Tick, VCCI

Note: All performance values are "up to" and vary depending on system configuration.
¹ Optional FortiGate-5053 Power Supply Shelf used to provide AC power to the FortiGate-5050 or FortiGate-5140 chassis.



FortiGate-5020 Security System



FortiGate-5050 Security System



FortiGate-5060 Security System



FortiGate-5140 Security System

The FortiGate-5000 series of consolidated security systems also include

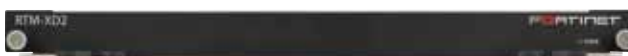
- Multiple Deployment Modes (Transparent/Routing)
- Backplane Switch Fabric
- Advanced Layer-2/3 Routing Capabilities
- High Availability (Active/Active, Active/Passive, Clustering)
- Virtual Domains (vDOMs)
- Data Center Traffic Optimization
- Traffic Shaping and Prioritization
- WAN Optimization
- Multiple Device Authentication Options

Management Options

- Local Web-Based Management Interface
- Command Line Management Interface (CLI)
- Local Event Logging (Memory / Disk if available)
- Centralized Management (FortiManager Appliance Required)
- Centralized Event Logging (FortiAnalyzer Appliance Required)



RTM-XB2 Rear Transition Module



RTM-XD2 Rear Transition Module

Rear Transition Modules

Provide enhanced 10-Gigabit Ethernet (10-GbE) backplane fabric connectivity to FortiGate systems. They include FortiASIC Network Processors for secure and low-latency communications.

Technical Specifications	RTM-XD2	RTM-XB2
Rear Transition Modules		
Application	Wire-speed 10-GbE backplane fabric	10-GbE backplane fabric
FortiASIC Hardware Acceleration	FortiASIC NP4	FortiASIC NP2
Compatible Chassis Models	FortiGate-5140 and FortiGate-5050	
Compatible Networking Blade	FortiSwitch-5003A and FortiSwitch-5003B	
Compatible Security Blades	FortiGate-5001A-SW and FortiGate-5001A-DW	
Configuration Notes	1 RTM-XD2 module per FortiGate security blade	1 RTM-XB2 module per FortiGate security blade
Performance		
Firewall Performance (64, 512, 1518 byte UDP packets)	20 Gbps	11 Gbps
IPSec VPN	8 Gbps	8 Gbps
Environment		
Power Consumption (AVG)	148 W	148 W
Operating Temperature	32 – 104 deg F (0 – 40 deg C)	
Storage Temperature	-13 – 158 deg F (-35 – 70 deg C)	
Humidity	5 to 90% non-condensing	
Compliance		
Certifications	FCC Class A Part 15, UL/CUL, C Tick, VCCI	

Note: All performance values are "up to" and vary depending on system configuration.

FortiGate-5000 Series Security Blades

Provide core FortiOS-based security services to FortiGate systems.



FortiGate-5001SX Security Blade



FortiGate-5001-DW Security Blade
(shown with optional ADM-XB2 Module)



FortiGate-5001FA2 Security Blade



FortiGate-5001-SW Security Blade



FortiGate-5005FA2 Security Blade



FortiGate-5001B Security Blade

Technical Specifications	FortiGate-5001B	FortiGate-5001A-DW	FortiGate-5001A-SW	FortiGate-5001SX	FortiGate-5001FA2	FortiGate-5005FA2
Security Blades						
SFP Ports	0	Requires AMC Module	Requires AMC Module	4	4	8
SFP+ Ports (10-GbE)	8	Requires AMC Module	Requires AMC Module	0	0	0
10/100/1000 Base-T Ports	2	2	2	4	4	0
Maximum Ports	10	10	6	4	4	8
FortiASIC Network Processor Accelerated Ports	8	Requires AMC Module	Requires AMC Module	-	2	2
Local Storage	64 GB SSD	-	Requires AMC Module	-	-	-
AMC-Based Expansion Slot	-	1 Double-Width	1 Single-Width	-	-	-
Performance						
Firewall Throughput	40 Gbps	2 - 22 Gbps ¹	2 - 13 Gbps ¹	4 Gbps	4 Gbps	5 Gbps
IPSec VPN Throughput	17 Gbps	800 Mbps - 8.5 Gbps ¹	800 Mbps - 7 Gbps ¹	600 Mbps	600 Mbps	800 Mbps
IPS Throughput	5 Gbps (UDP) 1.8 Gbps (HTTP)	2 / 4 Gbps (UDP)	2 / 4 Gbps (UDP)	2 Gbps (UDP)	2 Gbps (UDP)	3 Gbps (UDP)
Proxy Antivirus HTTP Throughput	1.5 Gbps	500 Mbps	500 Mbps	250 Mbps	250 Mbps	300 Mbps
Gateway-to-Gateway IPSec VPN Tunnels (System / VDOM)	10,000 / 5,000					
Client-to-Gateway IPSec VPN Tunnels	64,000	64,000	64,000	10,000	10,000	64,000
Concurrent Sessions (Max)	11 M	2 M	2 M	1 M	1 M	1 M
New Sessions / Sec	96,000	50,000	50,000	20,000	20,000	30,000
SSL-VPN Users (Max)	25,000	5,000	5,000	2,000	2,000	3,000
SSL-VPN Throughput	530 Mbps	480 Mbps	480 Mbps	111 Mbps	119 Mbps	346 Mbps
Firewall Policies (Max)	100,000					
Virtual Domains (Standard/Optional)	10 / 250					
Unlimited User Licenses	Yes					
Environment						
Power Consumption (AVG)	187 W	148 W	148 W	132 W	132 W	187 W
Heat Dissipation	639 BTU/h	505 BTU/h	505 BTU/h	451 BTU/h	451 BTU/h	639 BTU/h
Operating Temperature	32 – 104 deg F (0 – 40 deg C)					
Storage Temperature	-13 – 158 deg F (-35 – 70 deg C)					
Humidity	5 to 90% non-condensing					
Compliance						
Certifications	FCC Class A Part 15, UL/CUL, C Tick, VCCI					
Note: All performance values are "up to" and vary depending on system configuration. Antivirus performance is benchmarked using HTTP traffic (32 Kbyte objects).						
¹ Higher performance number combines performance provided by AMC modules.						

FortiGate-5000 Series Networking Blades

Provide advanced switching and load-balancing functions to FortiGate systems.



FortiSwitch-5003 Network Blade



FortiSwitch-5003A Network Blade



FortiSwitch-5003B Network Blade

Technical Specifications	FortiSwitch-5003B	FortiSwitch-5003	FortiSwitch-5003A
Networking Blades			
Fabric Channel Interfaces	8x 10-GbE SFP+	3x 10/100/1000	8x 10-GbE SFP+
Base Channel Interfaces	2x 10-GbE SFP+ 1x 10/100/1000	1x 10/100/1000	1x 10-GbE SFP+ 2x 10/100/1000
Transceivers Included	2x 10-GbE SFP+ SR	-	2x 10-GbE SFP+ SR
Total Switching Throughput	225 Gbps	-	225 Gbps
10-GbE Backplane Fabric Support	Yes	-	Yes (Requires RTM-XB2/RTM-XD2)
GbE Backplane Fabric Support	Yes	Yes	Yes
Environment			
Power Consumption (AVG)	150 W	148 W	148 W
Operating Temperature	32 – 104 deg F (0 – 40 deg C)		
Storage Temperature	-13 – 158 deg F (-35 – 70 deg C)		
Humidity	5 to 90% non-condensing		
Compliance			
Certifications	FCC Class A Part 15, UL/CUL, C Tick, VCCI		
Note: See the respective module datasheet for complete technical specifications for AMC modules.			

Security Processing Modules

Accelerate Intrusion Prevention and Multicast applications.



ADM-XE2 Module



ASM-CE4 Module

Bypass Modules

Provide power-failure bypass operation to FortiGate system.



ASM-CX4 Module



ASM-FX2 Module

Storage Modules

Enable FortiOS security and administration functions that require local storage.



ASM-S08 Module

Accelerated Interface Modules

Accelerate Firewall and VPN applications.



ADM-XD4 Module



ADM-XB2 Module



ADM-FB8 Module



ASM-FB4 Module

Ordering Info		
Chassis	SKU	Description
FortiGate 5020 Chassis	FG-5020AC	2-slot chassis with fan and dual AC power supplies
FortiGate 5020 Fan Tray	FG-5020FA	Spare, Fan tray for FG-5020 chassis
FortiGate 5020/5050 Power Supply	FG-5020PS	FortiGate-5020/5050 power supply
FortiGate 5050 Chassis	FG-5050-DC	5-slot chassis with fan, 1 shelf manager card, DC powered
FortiGate 5050 Fan Tray	FG-5050FA	Fan tray for FG-5050 chassis
FortiGate 5050 Shelf Manager	FG-5050SM	Shelf manager for FG-5050 chassis
FortiGate 5050 Shelf Alarm Panel	FG-5050SAP	Shelf alarm panel for FG-5050 chassis
FortiGate 5060 Chassis	FG-5060-DC	6-slot chassis, 1 fan tray, 1 shelf manager, DC powered
FortiGate 5140 Chassis	FG-5140-DC	14-slot chassis with fan, 1 shelf manager card, no power supply included, DC powered
FortiGate 5140 Power Supply	FG-5140PS	FortiGate-5140 power supply
FortiGate-5140 Shelf Manager	FG-5140SM-12	Shelf manager for FG-5140 chassis
FortiGate-5140 SAP	FG-5140SAP	Self alarm panel for FG-5140 chassis
FortiGate 5140 Fan Tray	FG-5140FA	Spare, Fan Tray for FG-5140 Chassis
FortiGate-5053 Power Converter Tray	FG-5053	Power converter shelf for FG-5000 series, no power supplies included
Security Blades	SKU	Description
FortiGate-5001 SX	FG-5001SX	Security blade with 4 10/100/1000 ports and 4 SFP ports (4 SX-type transceivers included)
FortiGate-5001FA2	FG-5001FA2	Security blade with 4 10/100/1000 ports, 2 FortiASIC accelerated SFP ports (2 SX-type transceivers included), and 2 non-accelerated SFP ports
FortiGate-5005FA2	FG-5005FA2	Security blade with 2 FortiASIC-accelerated SFP ports (2 SX-type transceivers included) and 6 non-accelerated SFP ports
FortiGate-5001A-DW	FG-5001A-DW	Security blade with 2 10/100/1000 ports and 1 double-width AMC slot
FortiGate-5001A-SW	FG-5001A-SW	Security blade with 2 10/100/1000 ports and 1 single-width AMC slot
FortiGate-5001B	FG-5001B	Security blade with 8 FortiASIC-accelerated SFP+ ports (2 SR-type SFP+ transceivers included) and onboard 64GB SSD
Networking Blades	SKU	Description
FortiSwitch-5003 Networking Blade	FS-5003	Networking blade for FortiGate-5000 series with 4 10/100/1000 ports
FortiSwitch-5003A Networking Blade	FS-5003A	Networking blade for FortiGate-5000 series with 8 SFP+ fabric ports, 1 SFP+ base port, 2 10/100/1000 base ports
FortiSwitch-5003B Networking Blade	FS-5003B	Networking blade for FortiGate-5000 series with 8 SFP+ fabric ports, 2 SFP+ base ports, 1 10/100/1000 management port
Modules	SKU	Description
ASM-FB4 Module	ASM-FB4	AMC Accelerated Interface Module, single-width, 4-port SFP, includes 4 SX SFP transceivers (Accelerated FW/VPN)
ASM-S08 Module	ASM-S08	AMC Storage Module, single-width, 80 GB hard disk drive (Local Disk-Based Storage)
ASM-CX4 Module	ASM-CX4	AMC Bypass Module, single-width, 4-port 10/100/1000 (Power Failure Bypass)
ASM-FX2 Module	ASM-FX2	AMC Bypass Module, single-width, 2-port fiber bypass module, LC-type Connectors (Power Failure Bypass)
ASM-CE4 Module	ASM-CE4	AMC Security Processing Module, single-width, 4-port 10/100/1000, (Accelerated IPS / Multicast)
ADM-FB8 Module	ADM-FB8	AMC Accelerated Interface Module, double-width, 8-port SFP, includes 4 SX SFP transceivers (Accelerated FW/VPN)
ADM-XB2 Module	ADM-XB2	AMC Accelerated Interface Module, double-width, two port 10-GbE XFP, includes 2 SR XFP transceivers (Accelerated FW/VPN)
ADM-XD4 Module	ADM-XD4	AMC Accelerated Interface Module, double-width, 4 port 10-GbE SFP+, includes 2 SR SFP+ transceivers (Accelerated FW/VPN)
ADM-XE2 Module	ADM-XE2	AMC Security Processing Module, double-width, 2 port 10-GbE XFP, accelerated IPS, includes 2 SR XFP transceivers (Accelerated FW/VPN)
RTM-XB2 Module	RTM-XB2	Rear Transition Module for FG-5000 series, 2 10-GbE internal ports for backplane fabric
RTM-XD2 Module	RTM-XD2	Rear transition module for FG-5000 series, 2 10-GbE internal ports for backplane fabric
Other Accessories	SKU	Description
LX Transceiver Module	FG-TRAN-LX	Transceiver LX module for all FortiGate models with SFP interfaces
TX Transceiver Module	FG-TRAN-GC	Transceiver Base-T (Copper) module for all FortiGate models with SFP interfaces, supports 10/100/1000 operation
SX Transceiver Module	FG-TRAN-SX	Transceiver SX module for all FortiGate models with SFP interfaces
SFP+ Transceiver Module	FG-TRAN-SFP+SR	10-GbE transceiver, short range SFP+ module for all FortiGate models with SFP+ interfaces
XFP Transceiver Module	FG-TRAN-XFPSR	10-GbE transceiver, short range XFP module for all FortiGate models with XFP interfaces
SFP+ Long Range Transceiver Module	FG-TRAN-SFP+LR	10-GbE transceiver, SFP+, Long Range
XFP Long Range Transceiver Module	FG-TRAN-XFPLR	10-GbE transceiver, XFP, Long Range

FortiOS Security Services

FIREWALL

ICSA Labs Certified (Enterprise Firewall)
 NAT, PAT, Transparent (Bridge)
 Routing Mode (RIP, OSPF, BGP, Multicast)
 Policy-Based NAT
 Virtual Domains (NAT/Transparent mode)
 VLAN Tagging (802.1Q)
 Group-Based Authentication & Scheduling
 SIP/H.323 /SCCP NAT Traversal
 WINS Support
 Explicit Proxy Support (Citrix/TS etc.)
 VoIP Security (SIP Firewall/RTP Pinholing)
 Granular Per-Policy Protection Profiles
 Identity/Application-Based Policy
 Vulnerability Management
 IPv6 Support (NAT/Transparent mode)

ANTIVIRUS / ANTISPYWARE

ICSA Labs Certified (Gateway Antivirus)
 Includes Antispyware and Worm Prevention:
 HTTP/HTTPS SMTP/SMTSPS
 POP3/POP3S IMAP/IMAPS
 FTP IM Protocols
 Flow-Based Antivirus Scanning Mode
 Automatic "Push" Content Updates
 File Quarantine Support
 Databases: Standard, Extended, Extreme, Flow
 IPv6 Support

INTRUSION PREVENTION SYSTEM (IPS)

ICSA Labs Certified (NIPS)
 Protection From Over 3000 Threats
 Protocol Anomaly Support
 Custom Signature Support
 Automatic Attack Database Update
 IPv6 Support

APPLICATION CONTROL

Identify and Control Over 1400 Applications
 Control Popular IM/P2P Apps Regardless of Port/Protocol:
 AOL-IM Yahoo MSN KaZaa
 ICQ Gnutella BitTorrent MySpace
 WinNY Skype eDonkey Facebook

FortiOS Security Services (cont.)

VIRTUAL PRIVATE NETWORK (VPN)

- ICSA Labs Certified (IPSec)
- PPTP, IPSec, and SSL Dedicated Tunnels
- SSL-VPN Concentrator (incl. iPhone client support)
- DES, 3DES, and AES Encryption Support
- SHA-1/MD5 Authentication
- PPTP, L2TP, VPN Client Pass Through
- Hub and Spoke VPN Support
- IKE Certificate Authentication (v1 & v2)
- IPSec NAT Traversal
- Automatic IPSec Configuration
- Dead Peer Detection
- RSA SecurID Support
- SSL Single Sign-On Bookmarks
- SSL Two-Factor Authentication
- LDAP Group Authentication (SSL)

NETWORKING/ROUTING

- Multiple WAN Link Support
- PPPoE Support
- DHCP Client/Server
- Policy-Based Routing
- Dynamic Routing for IPv4 and IPv6 (RIP, OSPF, BGP, & Multi-cast for IPv4)
- Multi-Zone Support
- Route Between Zones
- Route Between Virtual LANs (VDOMS)
- Multi-Link Aggregation (802.3ad)
- IPv6 Support (Firewall, DNS, Transparent Mode, SIP, Dynamic Routing, Admin Access, Management)
- VRRP and Link Failure Control
- sFlow Client

USER AUTHENTICATION OPTIONS

- Local Database
- Windows Active Directory (AD) Integration
- External RADIUS/LDAP Integration
- Xauth over RADIUS for IPSEC VPN
- RSA SecurID Support
- LDAP Group Support

DATA CENTER OPTIMIZATION

- Web Server Caching
- TCP Multiplexing
- HTTPS Offloading
- WCCP Support

WEB FILTERING

- 76 Unique Categories
- FortiGuard Web Filtering Service Categorizes over 2 Billion Web pages
- HTTP/HTTPS Filtering
- Web Filtering Time-Based Quota
- URL/Keyword/Phrase Block
- URL Exempt List
- Content Profiles
- Blocks Java Applet, Cookies, Active X
- MIME Content Header Filtering
- IPv6 Support

HIGH AVAILABILITY (HA)

- Active-Active, Active-Passive
- Stateful Failover (FW and VPN)
- Device Failure Detection and Notification
- Link Status Monitor
- Link failover
- Server Load Balancing

WAN OPTIMIZATION

- Bi-directional / Gateway to Client/Gateway
- Integrated Caching and Protocol Optimization
- Accelerates CIFS/FTP/MAPI/HTTP/HTTPS/Generic TCP

VIRTUAL DOMAINS (VDOMs)

- Separate Firewall/ Routing Domains
- Separate Administrative Domains
- Separate VLAN Interfaces
- 10 VDOM License Std. (more can be added)

TRAFFIC SHAPING

- Policy-based Traffic Shaping
- Application-based and Per-IP Traffic Shaping
- Differentiated Services (DiffServ) Support
- Guarantee/Max/Priority Bandwidth
- Shaping via Accounting, Traffic Quotas

WIRELESS CONTROLLER

- Unified WiFi and Access Point Management
- Automatic Provisioning of APs
- On-wire Detection and Blocking of Rogue APs
- Virtual APs with Different SSIDs
- Multiple Authentication Methods

DATA LOSS PREVENTION (DLP)

- Identification and Control Over Sensitive Data in Motion
- Built-in Pattern Database
- RegEx-based Matching Engine for Customized Patterns
- Configurable Actions (block/log)
- Supports IM, HTTP/HTTPS, and More
- Many Popular File Types Supported
- International Character Sets Supported

ANTISPAM

- Support for SMTP/SMTSP, POP3/POP3S, IMAP/IMAPS
- Real-Time Blacklist/Open Relay Database Server
- MIME Header Check
- Keyword/Phrase Filtering
- IP Address Blacklist/Exempt List
- Automatic Real-Time Updates From FortiGuard Network

ENDPOINT COMPLIANCE AND CONTROL

- Monitor & Control Hosts Running FortiClient Endpoint Security

LOGGING/MONITORING/VULNERABILITY

- Local Event Logging
- Log to Remote Syslog/WELF Server
- Graphical Real-Time and Historical Monitoring
- SNMP Support
- Email Notification of Viruses And Attacks
- VPN Tunnel Monitor
- Optional FortiAnalyzer Logging / Reporting
- Optional FortiGuard Analysis and Management Service

MANAGEMENT/ADMINISTRATION

- Console Interface (RS-232)
- WebUI (HTTP/HTTPS)
- Telnet / Secure Command Shell (SSH)
- Command Line Interface
- Role-Based Administration
- Multi-language Support: English, Japanese, Korean, Spanish, Chinese (Simplified & Traditional), French
- Multiple Administrators and User Levels
- Upgrades and Changes via TFTP and WebUI
- System Software Rollback
- Configurable Password Policy
- Optional FortiManager Central Management



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 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.



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