

# FortiGate®-5000 Series

## 10-Gigabit Ready FortiGate Multi-Threat Security Systems



### Unmatched Performance, Scalability, and Security

The FortiGate-5000 series of multi-threat security chassis-based systems offer unmatched levels of performance, scalability, and security for large enterprise and service provider networks. 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 provide up to 182 Gbps of security inspection performance using the modular and scalable expansion inherent to the system. Using FortiGate-5000 series networking blades such as the FortiSwitch-5003A 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-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 three 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 multi-threat 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 end point network access control.

### The FortiASIC Advantage

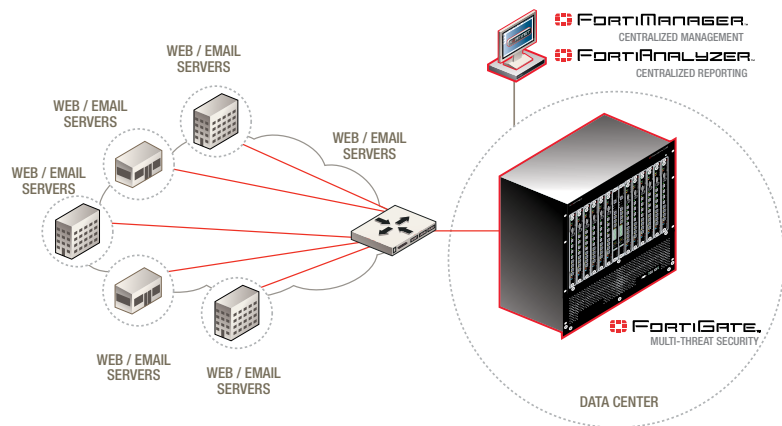
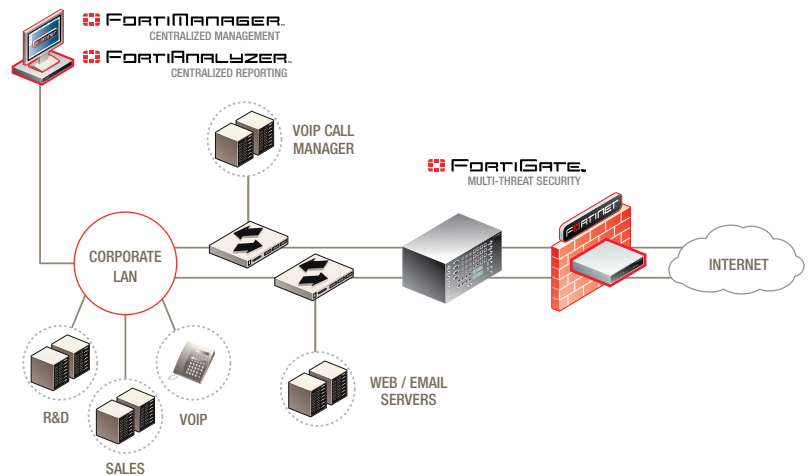
FortiASIC processors power FortiGate platforms. With exclusive hardware, the purpose built, high-performance network, security, and content processors use intelligent and proprietary digital engines to accelerate resource-intensive security services.

Features		Benefits
	 FortiGate-5020 System	<b>Hardware Accelerated Performance</b> FortiASIC processors provide assurance that the security device will not become a bottleneck in the network
	FortiGate-5050 System	<b>Additional Capacity on Demand</b> Fortinet expansion slots provide greater flexibility by supporting additional hardware-accelerated ports and localized storage of event data
<b>Unified Security Architecture</b>		FortiGate multi-threat security provides better protection and lowered costs over multiple point security products
<b>Centralized Management</b>		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.

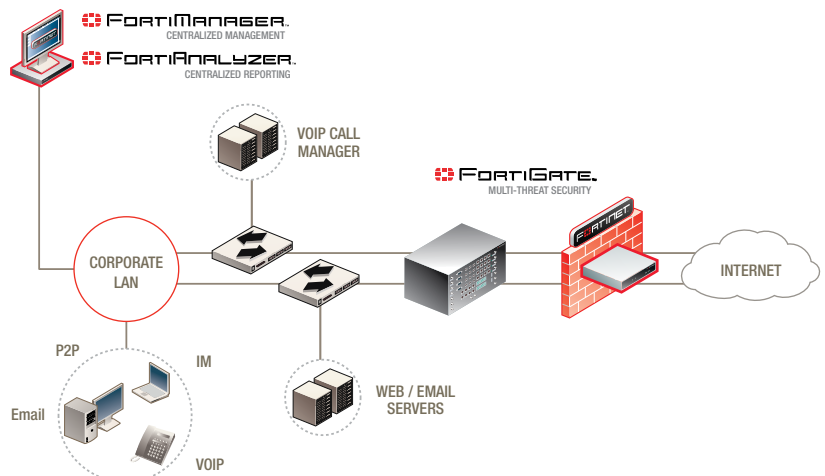


## MSSP Core Security

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 3,500 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 of malcode threats. Instant messaging is quickly becoming a primary propagation vector as IM adoption rate increases. 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 ensure that email and other messaging remains secure and won't result in lost revenue or lost data.



Technical Specifications	FortiGate-5020	FortiGate-5050	FortiGate-5060	FortiGate-5140
<b>ATCA Chassis</b>				
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
Max Firewall Throughput	Up to 26 Gbps	Up to 65 Gbps	78 Gbps	Up to 182 Gbps
Max VPN (IPSec) Performance	Up to 14 Gbps	Up to 35 Gbps	42 Gbps	Up to 98 Gbps
Concurrent Sessions	Up to 4 Million	Up to 10 Million	Up to 12 Million	Up to 28 Million
<b>Dimensions</b>				
Height	5.25 in	8.75 in	8.66 in	21 in
Width	17 in	17 in	19 in	19 in
Length	15.5 in	15.5 in	18.82 in	19 in
Weight	35.5 lb (16.1 Kg)	26.75 lb (12.1 Kg)	38 (17.3 Kg)	64.5 lb (29.3 Kg)
<b>Environment</b>				
Power Required	AC	DC/AC <sup>1</sup>	DC	DC/AC <sup>1</sup>
Power Consumption	--	--	--	531.2 W (AVG)
Heat Dissipation	--	--	--	1812.5 BTU
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
<b>Compliance</b>				
	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

## The FortiGate-5000 series of multi-threat 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 (VDMs)
- 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)



FortiGate-5020 Multi-Threat Security System



FortiGate-5050 Multi-Threat Security System



FortiGate-5140 Multi-Threat Security System



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

All performance values are "up to" and vary depending on system configuration. Antivirus performance is benchmarked using HTTP traffic (32 Kbyte objects).

<sup>1</sup> Optional FortiGate-5053 Power Supply Shelf used to provide AC power to the FortiGate-5050 or FortiGate-5140 chassis.

Technical Specifications	FortiGate-5001A-DW	FortiGate-5001A-SW	FortiGate-5001SX	FortiGate-5001FA2	FortiGate-5005FA2
<b>Security Blades</b>					
SFP Ports	Requires AMC Module	Requires AMC Module	4	4	8
10/100/1000 Base-T Ports	2	2	4	4	0
Maximum Ports	10	10	4	4	8
FortiASIC Network Processor Accelerated Ports	Requires AMC Module	Requires AMC Module	--	2	2
AMC-Based Expansion Slot	1 Double-Width	1 Single-Width	--	--	--
Concurrent Sessions	2 M	2 M	1 M	1 M	1 M
New Sessions / Sec	50,000	50,000	20,000	20,000	30,000
Firewall Throughput	2 / 13 Gbps <sup>1</sup>	2 / 13 Gbps <sup>1</sup>	4 Gbps	4 Gbps	5 Gbps
VPN (IPSec) Throughput	800 Mbps / 7 Gbps <sup>1</sup>	800 Mbps / 7 Gbps <sup>1</sup>	600 Mbps	600 Mbps	800 Mbps
Gateway-to-Gateway IPSec VPN Tunnels (System / VDOM)	10,000 / 5,000	10,000 / 5,000	10,000 / 5,000	10,000 / 5,000	10,000 / 5,000
Client-to-Gateway IPSec VPN Tunnels	64,000	64,000	10,000	10,000	64,000
Recommended SSL-VPN Users (Max)	5,000	5,000	2,000	2,000	3,000
IPS Throughput	2 / 4 Gbps <sup>1</sup>	2 / 4 Gbps <sup>1</sup>	2 Gbps	2Gbps	3 Gbps
Antivirus Throughput	500 Mbps	500 Mbps	250 Mbps	250 Mbps	300 Mbps
Unlimited User Licenses	Yes	Yes	Yes	Yes	Yes
Maximum Policies	100,000	100,000	100,000	100,000	100,000
Virtual Domains (Standard/Optional Upgrade)	10 / 250	10 / 250	10 / 250	10 / 250	10 / 250
<b>Environment</b>					
Power Consumption (AVG)	148 W	148 W	132 W	132 W	187 W
Heat Dissipation	505 BTU	505 BTU	451 BTU	451 BTU	639 BTU
Operating Temperature	32 – 104 deg F (0 – 40 deg C)	32 – 104 deg F (0 – 40 deg C)	32 – 104 deg F (0 – 40 deg C)	32 – 104 deg F (0 – 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)	-13 – 158 deg F (-35 – 70 deg C)	-13 – 158 deg F (-35 – 70 deg C)	-13 – 158 deg F (-35 – 70 deg C)
Humidity	5 to 90% non-condensing	5 to 90% non-condensing	5 to 90% non-condensing	5 to 90% non-condensing	5 to 90% non-condensing
<b>Compliance</b>					
	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	FCC Class A Part 15, UL/CUL, C Tick, VCCI	FCC Class A Part 15, UL/CUL, C Tick, VCCI

## FortiGate-5000 Series Security Blades

Provide core FortiOS-based security services to FortiGate systems.



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



FortiGate-5001-SW Multi-Threat Security Blade



FortiGate-5001SX Multi-Threat Security Blade



FortiGate-5001FA2 Multi-Threat Security Blade



FortiGate-5005FA2 Multi-Threat Security Blade

## FortiGate-5000 Series Networking Blades

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



FortiSwitch-5003 Network Blade



FortiSwitch-5003A Network Blade



FortiController-5208 Network Blade

Technical Specifications	FortiSwitch-5003	FortiSwitch-5003A	FortiController-5208
<b>Networking Blades</b>			
Fabric Channel Interfaces	3 10/100/1000	8 10-GbE SFP+	2 10-GbE XFP 8 GbE SFP
Base Channel Interfaces	1 10/100/1000	1 10-GbE SFP+ 2 10/100/1000	1 10/100/1000
Transceivers Included	--	2 10-GbE SFP+ SR	2 10-GbE XFP SR 2 GbE SFP SX
Total Switching Throughput	--	225 Gbps	--
10-GbE Backplane Fabric Support	--	Yes (Requires RTM-XB2/RTM-XD2)	--
GbE Backplane Fabric Support	Yes	Yes	Yes
<b>Environment</b>			
Power Consumption (AVG)	148 W	148 W	--
Operating Temperature	32 – 104 deg F (0 – 40 deg C)	32 – 104 deg F (0 – 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)	-13 – 158 deg F (-35 – 70 deg C)
Humidity	5 to 90% non-condensing	5 to 90% non-condensing	5 to 90% non-condensing
<b>Compliance</b>			
	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

All performance values are "up to" and vary depending on system configuration. Antivirus performance is benchmarked using HTTP traffic (32 Kbyte objects).

<sup>1</sup> Higher performance number combines performance provided by AMC modules.

## Security Processing Modules

Accelerate Intrusion Prevention and Multicast applications.



ADM-FE8 Module



ADM-XE2 Module



ASM-CE4 Module

See the respective module datasheet for complete technical specifications for AMC Modules.

## 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
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
FortiController-5208 Networking Blade	FCTRL-5208	Load-balancing blade with 8 SFP interfaces (2 SX-type transceivers included) and 2 XFP ports (2 XFP Transceivers included)
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)
ADM-FE8 Module	ADM-FE8	AMC Security Processing Module, double-width, 8-port SFP, includes 2 SR SFP transceivers (Accelerated IPS / Multicast)
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

## 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)  
 User Group-Based Authentication & Scheduling  
 SIP/H.323 /SCCP NAT Traversal  
 WINS Support  
 Granular Per-Policy Protection Profiles  
 Explicit Proxy Support

## VIRTUAL PRIVATE NETWORK (VPN)

ICSA Labs Certified (IPSec)  
 PPTP, IPSec, and SSL  
 Dedicated Tunnels  
 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, & Multicast 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, Administrative Access, Management)

## ANTIVIRUS

ICSA Labs Certified (Gateway Antivirus)  
 Includes Antispyware and Worm Prevention  
 HTTP/HTTPS SMTP/SMTSPS  
 POP3/POP3S IMAP/IMAPS  
 FTP IM Protocols  
 Automatic "Push" Content Updates from FortiGuard Network  
 File Quarantine Support  
 Block by File Size or Type  
 IPv6 Support

## WEB FILTERING

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

## APPLICATION CONTROL

Identify and Control Over 1000 Applications  
 Control Popular IM/P2P Apps Regardless of Port/Protocol:

AOL-IM	Yahoo	MSN	KaZaa
ICQ	Gnutella	BitTorrent	MySpace
WinNY	Skype	eDonkey	Facebook

## 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  
 Requires a FortiGate device with Hard Drive

## 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

## 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/SMTSPS, 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 with FortiClient Endpoint Security

## TRAFFIC SHAPING

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

## VIRTUAL DOMAINS (VDOMs)

Separate Firewall/ Routing Domains  
 Separate Administrative Domains  
 Separate VLAN Interfaces  
 10 VDOM License Standard, Upgradable to More

## DATA CENTER OPTIMIZATION

Web Server Caching TCP Multiplexing  
 HTTPS Offloading



**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.



### GLOBAL HEADQUARTERS

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