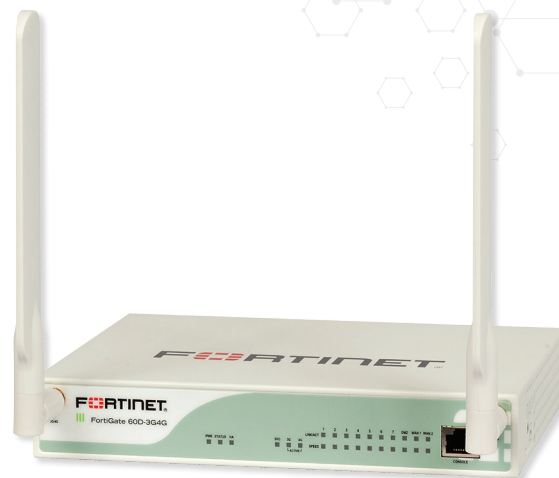# FORTINET

FortiGate/FortiWiFi® 60D-3G4G-VZW

The Fortinet Enterprise Firewall Solution delivers end-to-end network security with one platform, one network security operating system and unified policy management with a single pane of glass — for **the industry's best protection against the most advanced security threats and targeted attacks**.

Security Fabric Integration

FortiGate appliances, interconnected with the Fortinet Security Fabric, form the backbone of the Fortinet Enterprise Solution.

1.5 Gbps
Firewall

500,000
Concurrent Sessions

41 Mbps
IPS

23 Mbps
NGFW

20 Mbps
Threat Protection

Multiple GE RJ45 | WiFi Variants

Deployment Modes
Distributed Enterprise Firewall
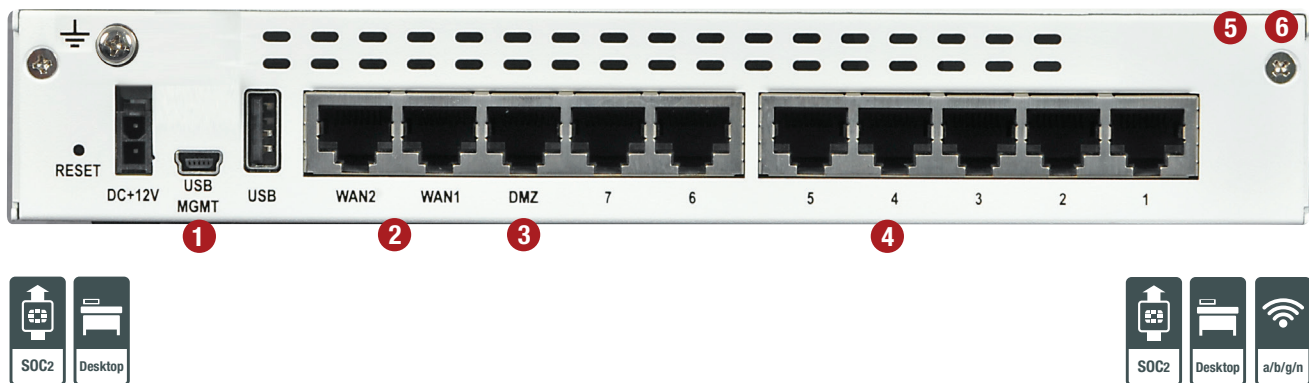
Hardware Acceleration
SPU SoC2

200   20   2   Yes

Third-Party Certifications

ICSAlabs CERTIFIED ANTI-VIRUS   ICSAlabs CERTIFIED FIREWALL-CORPORATE   ICSAlabs CERTIFIED IPSEC-BASIC

ICSAlabs CERTIFIED SSL VPN   ICSAlabs CERTIFIED NETWORK IPS

HARDWARE

FortiGate/FortiWiFi 60D-3G4G-VZW

Interfaces

1. USB Management Port for FortiExplorer
2. 2x 10/100/1000 WAN Interfaces
3. 1x 10/100/1000 DMZ Interfaces
4. 7x 10/100/1000 Internal Interfaces
5. Internal 3G/4G Modem
6. 802.11 a/b/g/n Wireless Interface (FortiWiFi)

Powered by SPU SoC2

- Combines a RISC-based CPU with Fortinet's proprietary SPU content and network processors for unmatched performance

- Simplifies appliance design and enables breakthrough performance for smaller networks

- Supports firewall acceleration across all packet sizes for maximum throughput

- Delivers accelerated UTM content processing for superior performance and protection

- Accelerates VPN performance for high speed, secure remote access

Install in Minutes with FortiExplorer

The FortiExplorer™ wizard enables you to easily and quickly set up and configure FortiGate and FortiWiFi platforms with easy-to-follow instructions. The application runs on Windows, Mac OS X desktops and laptops as well as popular mobile devices. Simply connect to the appropriate USB port on the appliance, and be fully protected in minutes.

3G/4G WAN Connectivity

The FortiGate/FortiWiFi 60D-3G4G includes built-in 3G/4G modem that allows additional WAN connectivity or a redundant link for maximum reliability.

Compact and Reliable Form Factor

Designed for small environments, you can place it on a desktop or wall-mount it. It is small, lightweight yet highly reliable with superior MTBF (Mean Time Between Failure), minimizing the chance of a network disruption.

Superior Wireless Coverage

A built-in dual-band, dual-stream access point with internal antennas is integrated on the FortiWiFi 60D-3G4G and provides speedy 802.11n coverage on both 2.4 GHz and 5 GHz bands. The dual-band chipset addresses the PCI-DSS compliance requirement for rogue AP wireless scanning, providing maximum protection for regulated environments.

SOFTWARE

FortiOS

Control all the security and networking capabilities across the entire FortiGate platform with one intuitive operating system. Reduce operating expenses and save time with a truly consolidated next generation security platform.
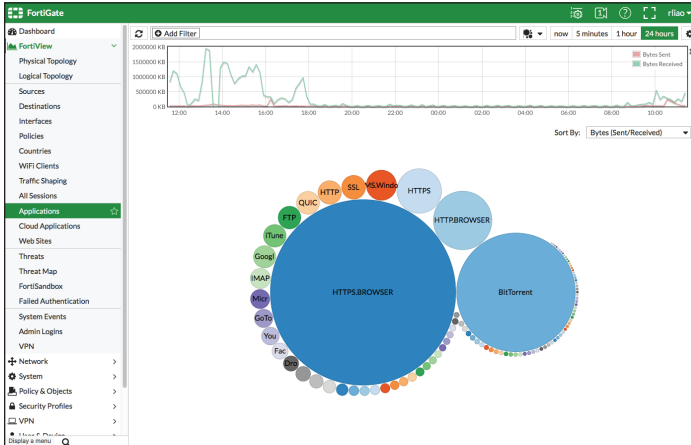
- A truly consolidated platform with one OS for all security and networking services for all FortiGate platforms.
- Industry-leading protection: NSS Labs Recommended, VB100, AV Comparatives and ICSA validated security and performance.
- Control thousands of applications, block the latest exploits, and filter web traffic based on millions of real-time URL ratings.
- Detect, contain and block advanced attacks automatically in minutes with integrated advanced threat protection framework.
- Solve your networking needs with extensive routing, switching, WiFi, LAN and WAN capabilities.
- Activate all the SPU-boosted capabilities you need on the fastest firewall platform available.

> For more information, please refer to the FortiOS data sheet available at www.fortinet.com

SERVICES

FortiGuard™ Security Services

FortiGuard Labs offers real-time intelligence on the threat landscape, delivering comprehensive security updates across the full range of Fortinet's solutions. Comprised of security threat researchers, engineers, and forensic specialists, the team collaborates with the world's leading threat monitoring organizations, other network and security vendors, as well as law enforcement agencies:

- **Real-time Updates** — 24x7x365 Global Operations research security intelligence, distributed via Fortinet Distributed Network to all Fortinet platforms.
- **Security Research** — FortiGuard Labs have discovered over 170 unique zero-day vulnerabilities to date, totaling millions of automated signature updates monthly.
- **Validated Security Intelligence** — Based on FortiGuard intelligence, Fortinet's network security platform is tested and validated by the world's leading third-party testing labs and customers globally.

FortiCare™ Support Services

Our FortiCare customer support team provides global technical support for all Fortinet products. With support staff in the Americas, Europe, Middle East and Asia, FortiCare offers services to meet the needs of enterprises of all sizes:

- **Enhanced Support** — For customers who need support during local business hours only.
- **Comprehensive Support** — For customers who need around-the-clock mission critical support, including advanced exchange hardware replacement.
- **Advanced Services** — For global or regional customers who need an assigned Technical Account Manager, enhanced service level agreements, extended software support, priority escalation, on-site visits and more.
- **Professional Services** — For customers with more complex security implementations that require architecture and design services, implementation and deployment services, operational services and more.

Enterprise Bundle
FortiGuard Labs delivers a number of security intelligence services to augment the FortiGate firewall platform. You can easily optimize the protection capabilities of your FortiGate with the FortiGuard Enterprise Bundle. This bundle contains the full set of FortiGuard security services plus FortiCare service and support offering the most flexibility and broadest range of protection all in one package.

SPECIFICATIONS

	FG-60D-3G4G-VZW	FWF-60D-3G4G-VZW
Interfaces and Modules		
10/100/1000 WAN Interfaces (RJ45)	2	
10/100/1000 Internal Interfaces (RJ45)	7	
10/100/1000 DMZ Interfaces (RJ45)	1	
Wireless Interface	—	802.11 a/b/g/n
USB (Client / Server)	1 / 1	
RJ-45 Console Port	1	
Embedded Modem		
Embedded Modem Technology	LTE with fallback to EV-DO Rev A, 1xRTT	
Bands	LTE AWS, 700 MHz (B17) (with MIMO) HSPA+/UMTS 850/AWS/1900/2100 MHz GPRS 850/900/1800/1900 MHz	
MiMo	2 x 2 MiMo	
Receiver Diversity	Yes, improves performance at cell edges and in buildings	
Receiver Equalization	Yes, improves performance in noisy and highly mobile environments	
Internal Antennas	2	
Supported LTE Band	13	
Removable SIM Card	Yes	
Signal Strength Indicator	Yes, in FortiOS GUI and CLI	
DIAG & AT Commands	Yes	
Auto-Connect / On Demand Connect	Yes	
Power Management	Standby and hibernate selective suspend	
Other Features	Connection status, data byte count, auto-select network, network profile, self diagnostics, private IP SIM support, IMEI located on outer box and device for easy activation	
System Performance and Capacity		
IPv4 Firewall Throughput (1518 / 512 / 64 byte, UDP)	1.5 /1.5 / 1.5 Gbps	
Firewall Latency (64 byte, UDP)	4 µs	
Firewall Throughput (Packet per Second)	2.2 Mpps	
Concurrent Sessions (TCP)	500,000	
New Sessions/Second (TCP)	4,000	
Firewall Policies	5,000	
IPsec VPN Throughput (512 byte)	1 Gbps	
Gateway-to-Gateway IPsec VPN Tunnels	200	
Client-to-Gateway IPsec VPN Tunnels	500	

	FG-60D-3G4G-VZW	FWF-60D-3G4G-VZW
SSL-VPN Throughput	30 Mbps	
Concurrent SSL-VPN Users (Recommended Maximum)	100	
IPS Throughput (HTTP / Enterprise Mix)		
SSL Inspection Throughput		
NGFW Throughput (Default / DSRI)		
CAPWAP Throughput		
Virtual Domains (Default / Maximum)	10 / 10	
Maximum Number of FortiAPs (Total / Tunnel)	10 / 5	
Maximum Number of FortiTokens	100	
Maximum Number of Registered Endpoints	200	
High Availability Configurations	Active-Active, Active-Passive, Clustering	
Dimensions and Power		
Height x Width x Length (inches)	1.50 x 8.50 x 5.83	
Height x Width x Length (mm)	38 x 216 x 148	
Weight	1.9 lbs (0.9 kg)	
Form Factor	Desktop	
AC Power Supply	100–240V AC, 50–60 Hz	
Power Consumption (Average / Maximum)	11.7 W / 14 W	
Heat Dissipation	40 BTU/h	
Operating Environment and Certifications		
Operating Temperature	32–104°F (0–40°C)	
Storage Temperature	-31–158°F (-35–70°C)	
Humidity	20–90% non-condensing	
Operating Altitude	Up to 7,400 ft (2,250 m)	
Compliance	FCC Part 15 Class B, C-Tick, VCCI, CE, UL/cUL, CB, RoHS, Halogen Free	
Security Certifications	ICSA Labs: Firewall, IPSec, IPS, Antivirus, SSL VPN	
Other Certifications	Certified for use on Verizon Network, 3GPP TS 36.101 (LTE), 3GPP Rel 5, 6, 7, 8 (HSPA+), 3GPP Release 99 (GSM/GPRS/EDGE), CCF57, PTCRB, SUPL 2.0	

Note: All performance values are "up to" and vary depending on system configuration. IPsec VPN performance is based on 512 byte UDP packets using AES-256+SHA1. NGFW performance is measured with Flow AV (Quick Mode), IPS and Application Control enabled, based on Enterprise Traffic Mix. SSL Inspection is measured with IPS enabled and HTTP traffic, using TLS v1.2 with AES254-SHA. CAPWAP performance is based on 1444 byte UDP packets.

For complete, up-to-date and detailed feature set, please refer to the Administration Handbook and FortiOS Datasheet.

ORDER INFORMATION

Product	SKU	Description
FortiGate 60D-3G4G-VZW	FG-60D-3G4G-VZW	10x GE RJ45 ports (including 7x Internal ports, 2x WAN ports, 1x DMZ port), embedded 3G/4G/LTE wireless WAN modem for use on Verizon Wireless network. Maximum managed FortiAPs (Total / Tunnel) 10 / 5.
FortiWiFi 60D-3G4G-VZW	FWF-60D-3G4G-VZW	10x GE RJ45 ports (including 7x Internal ports, 2x WAN ports, 1x DMZ port), Wireless (802.11a/b/g/n), embedded 3G/4G/LTE wireless WAN modem for use on Verizon Wireless network. Maximum managed FortiAPs (Total / Tunnel) 10 / 5.

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