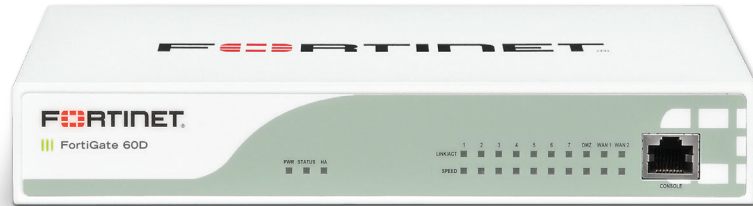# FortiGate/FortiWiFi® 60D Series

FortiGate 60D, 60D-POE, FortiWiFi 60D, 60D-POE

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 | Variants with PoE Interfaces

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 60D
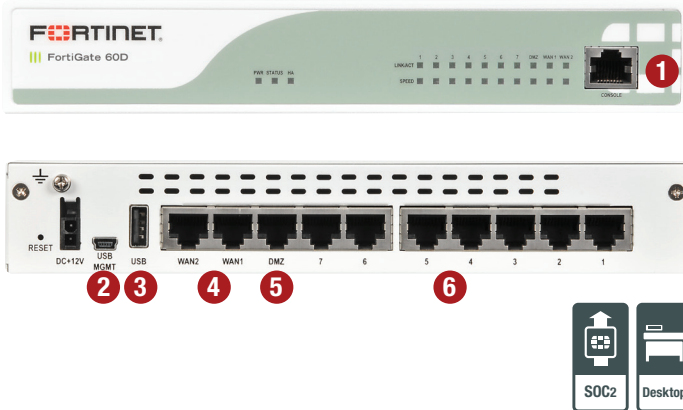
Interfaces

1. Console Port
2. USB Management Port for FortiExplorer
3. USB Port
4. 2x GE RJ45 WAN Ports
5. 1x GE RJ45 DMZ Ports
6. 7x GE RJ45 Internal Ports /
   5x GE RJ45 Internal and 2x GE PoE Ports on POE models

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

FortiWiFi 60D

FortiGate 60D-POE

FortiWiFi 60D-POE

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 Series includes a USB port that allows you to plug in a compatible third-party 3G/4G USB modem, providing 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 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.
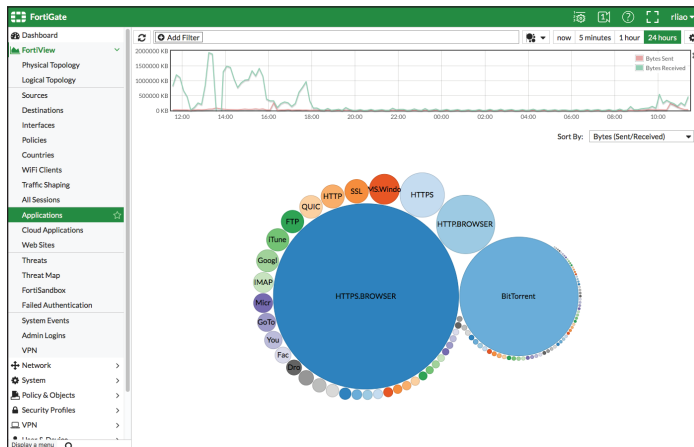
- A truly consolidated platform with one OS for all security and networking services for all FortiGate platforms.
- Industry-leading protection: NSS Labs Recommended, VB100, AV Comparatives and ICSA validated security and performance.
- Control thousands of applications, block the latest exploits, and 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.

F⊂RTINET

SPECIFICATIONS

	FORTIGATE 60D	FORTIWIFI 60D	FORTIGATE 60D-POE	FORTIWIFI 60D-POE
Hardware Specifications				
GE RJ45 WAN Ports	2	2	2	2
GE RJ45 Internal Ports	7	7	5	5
GE RJ45 PoE Ports	–	–	2	2
GE RJ45 DMZ Ports	1	1	1	1
Wireless Interface	–	802.11 a/b/g/n	–	802.11 a/b/g/n
USB Ports (Client / Server)	1 / 1	1 / 1	1 / 1	1 / 1
Console (RJ45)	1	1	1	1
System Performance				
Firewall Throughput (1518 / 512 / 64 byte UDP packets)	1.5 / 1.5 / 1.5 Gbps			
Firewall Latency (64 byte UDP packets)	4 µs			
Firewall Throughput (Packets 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 packets)	1 Gbps			
Gateway-to-Gateway IPsec VPN Tunnels	200			
Client-to-Gateway IPsec VPN Tunnels	500			
SSL-VPN Throughput	30 Mbps			
Concurrent SSL-VPN Users (Recommended Maximum)	100			
IPS Throughput (HTTP / Enterprise Mix) [1]	200 / 41 Mbps			
SSL Inspection Throughput [2]	32 Mbps			
Application Control Throughput [3]	50 Mbps			
NGFW Throughput [4]	23 Mbps			
Threat Protection Throughput [5]	20 Mbps			
CAPWAP Throughput [6]	250 Mbps			
Virtual Domains (Default / Maximum)	10 / 10			
Maximum Number of FortiAPs (Total / Tunnel Mode)	10 / 5			
Maximum Number of FortiTokens	100			
Maximum Number of Registered FortiClients	200			
High Availability Configurations	Active / Active, Active / Passive, Clustering			
Dimensions				
Height x Width x Length (inches)	1.50 x 8.50 x 5.83	1.50 x 8.50 x 6.18	1.50 x 8.50 x 5.83	1.50 x 8.50 x 6.18
Height x Width x Length (mm)	38 x 216 x 148	38 x 216 x 157	38 x 216 x 148	38 x 216 x 157
Weight	1.9 lbs (0.9 kg)	1.9 lbs (0.9 kg)	1.9 lbs (0.9 kg)	1.9 lbs (0.9 kg)
Form Factor	Desktop	Desktop	Desktop	Desktop
Environment				
Power Required	100–240V AC, 50–60 Hz			
Maximum Current	110 V / 1.5 A, 220 V / 0.75 A	110 V / 1.5 A, 220 V / 0.75 A	110 V / 1.5 A, 220 V / 0.75 A	110 V / 1.5 A, 220 V / 0.75 A
Total Available PoE Power Budget*	–	–	30.8 W	30.8 W
Power Consumption (Average / Maximum)	11.7 / 14 W	11.7 / 14 W	27.4 / 45.2 W	29.9 / 48.2 W
Heat Dissipation	40 BTU/h	40 BTU/h	154 BTU/h	165 BTU/h
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				
Safety	FCC Part 15 Class B, C-Tick, VCCI, CE, UL/cUL, CB			
Certifications				
	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN; USGv6/IPv6			

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. 1. IPS performance is measured using 1 Mbyte HTTP and Enterprise Traffic Mix. 2. SSL Inspection is measured with IPS enabled and HTTP traffic, using TLS v1.2 with AES256-SHA. 3. Application Control performance is measured with 64 Kbytes HTTP traffic. 4. NGFW performance is measured with IPS and Application Control enabled, based on Enterprise Traffic Mix. 5. Threat Protection performance is measured with IPS and Application Control and Malware protection enabled, based on Enterprise Traffic Mix. 6. CAPWAP performance is based on 1444 byte UDP packets.

* Maximum loading on each PoE port is 15.4 W (802.3af).

ORDER INFORMATION

Product	SKU	Description
FortiGate 60D	FG-60D	10x GE RJ45 ports (including 7x Internal ports, 2x WAN ports, 1x DMZ port). Maximum managed FortiAPs (Total / Tunnel) 10 / 5.
FortiWiFi 60D	FWF-60D	10x GE RJ45 ports (including 7x Internal ports, 2x WAN ports, 1x DMZ port), Wireless (802.11a/b/g/n). Maximum managed FortiAPs (Total / Tunnel) 10 / 5.
FortiGate 60D-POE	FG-60D-POE	10x GE RJ45 ports (including 5x Internal ports, 2x WAN ports, 1x DMZ port, 2x PoE ports). Maximum managed FortiAPs (Total / Tunnel) 10 / 5.
FortiWiFi 60D-POE	FWF-60D-POE	10x GE RJ45 ports (including 5x Internal ports, 2x WAN ports, 1x DMZ port, 2x PoE ports), Wireless (802.11a/b/g/n). Maximum managed FortiAPs (Total / Tunnel) 10 / 5.
Optional Accessory		
Rack Mount Tray	SP-RACKTRAY-01	Rack mount tray for FG-30D, FG-40C, FG-50/51E, FG-60C, FG-60D/-POE, FG-70D, FG-80D, FG-90D/-POE, FAD-100E, FRC-100D, FWB-100D, FML-60D, FVE-100E.

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