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#### DATA SHEET

#### FortiGate/FortiWiFi® 60D Series

Integrated Threat Management for Small Networks

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# FortiGate/FortiWiFi® 60D Series

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

The FortiGate/FortiWiFi 60D Series are compact, all-in-one security appliances that deliver Fortinet's Connected UTM. Ideal for small business, remote, customer premise equipment (CPE) and retail networks, these appliances offer the network security, connectivity and performance you need at a single low per-device price.

#### Consolidated Security Solutions

You get advanced threat protection, including firewall, application control, advanced threat protection, IPS, VPN, and web filtering, all from one device that's easy to deploy and manage. With our FortiGuard® security subscription services you'll have automated protection against today's sophisticated threats.

Reduce the need for additional wireless access points by integrating a high-bandwidth "fatclient" into your FortiGate with the FortiWiFi 60D. It's also a great option to secure mobile devices in BYOD environments with automatic device identification and customizable access and security policies.

VDOMs on the FortiGate/FortiWiFi 60D let you segment networks to enable guest and employee access, or protect things like cardholder data. You get the flexibility to match your business needs and meet compliance standards like PCI and HIPAA.

### Highlights

	Firewall Performance	IPS Performance	Interfaces
60D	1.5 Gbps	200 Mbps	Multiple GE RJ45
60D-POE	1.5 Gbps	200 Mbps	Multiple GE RJ45 and GE RJ45 PoE



FortiGate Extensions





FortiClient forti.net/fct



forti.net/ftk



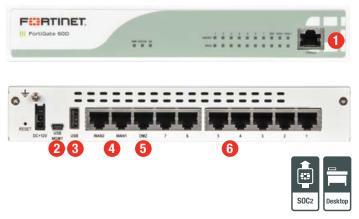
FortiSwitch forti.net/fsw

# Features & Benefits

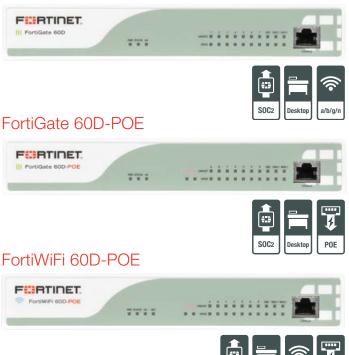
- 1.5 Gbps throughput performance ensures your network security won't be a bottleneck
- Integrated switch and options for PoE simplify your network infrastructure
- Up to 2x WAN, 7x LAN and 1x DMZ interface ports (2x Power over Ethernet ports on PoE models)
- Runs on FortiOS 5 the most powerful security operating system in the world delivers more security to fight advanced threats, more control to secure mobile devices, and more intelligence to build secure policies

## HARDWARE

#### FortiGate 60D



#### FortiWiFi 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

#### Install in Minutes with FortiExplorer

The FortiExplorer<sup>™</sup> 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 dualband chipset addresses the PCI-DSS compliance requirement for rogue AP wireless scanning, providing maximum protection for regulated environments.

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### Powered by FortiASIC SoC2

- Combines a RISC-based CPU with Fortinet's proprietary FortiASIC<sup>™</sup> 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

## SOFTWARE

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FortiOS Managment UI – FortiView, Policy Table and Application Control Panel

### 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 ASIC-boosted capabilities you need on the fastest firewall platform available.

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

## SERVICES

#### FortiGuard<sup>™</sup> 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<sup>™</sup> 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 aroundthe-clock mission critical support, including advanced exchange hardware replacement.
- Premium 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.

For more information, please refer to http://forti.net/care

For more information, please refer to http://forti.net/guard

## SPECIFICATIONS

	FORTIGATE 60D	FORTIWIFI 60D	FORTIGATE 60D-POE	FORTIWIFI 60D-POE			
Hardware Specifications							
GE RJ45 WAN Ports	2	2	2	2			
E RJ45 Internal Ports	7	7	5	5			
E RJ45 PoE Ports	-	-	2	2			
GE RJ45 DMZ Ports	1	1	1	1			
Nireless Interface	-	802.11 a/b/g/n	-	802.11 a/b/g/n			
JSB 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)		۷	4,000				
Firewall Policies		Ę	5,000				
Psec 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				
PS Throughput (HTTP / Enterprise Mix)		200 /	/ 41 Mbps				
SSL Inspection Throughput			2 Mbps				
NGFW Throughput		20 Mbps					
CAPWAP Throughput		250 Mbps					
/irtual 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, Act	ive / Passive, Clustering				
Dimensions							
leight 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			
leight 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			
Veight	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			
Dperating Temperature			ŀ°F (0−40°C)				
Storage Temperature			°F (-35–70°C)				
Humidity			non-condensing				
Operating Altitude			00 ft (2,250 m)				
Compliance							
Safety		FCC Part 15 Class B	, C-Tick, VCCI, CE, UL/cUL, CB				
Certifications							
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ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN

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 AES256-SHA. 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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