

# FortiGate/FortiWiFi® 60E-DSL/J

FortiGate 60E-DSL(J) and FortiWiFi 60E-DSL(J)

Secure SD-WAN  
Unified Threat Management



The FortiGate 60E series offers an excellent Security and SD-WAN solution in a compact fanless desktop form factor for enterprise branch offices and mid-sized businesses. Protect against cyber threats with industry-leading secure SD-WAN in a simple, affordable and easy to deploy solution.

**Security**

- Identifies thousands of applications inside network traffic for deep inspection and granular policy enforcement
- Protects against malware, exploits, and malicious websites in both encrypted and non-encrypted traffic
- Prevent and detect against known and unknown attacks using continuous threat intelligence from AI powered FortiGuard Labs security services

**Performance**

- Delivers industry's best threat protection performance and ultra-low latency using purpose-built security processor (SPU) technology
- Provides industry-leading performance and protection for SSL encrypted traffic

**Certification**

- Independently tested and validated best security effectiveness and performance
- Received unparalleled third-party certifications from NSS Labs, ICSA, Virus Bulletin and AV Comparatives

**Networking**

- Best of Breed SD-WAN capabilities to enable application steering using WAN path control for high quality of experience
- Delivers extensive routing, switching, wireless controller, high-performance, and scalable IPsec VPN capabilities

**Management**

- Includes Management Console that's effective, simple to use, and provides comprehensive network automation & visibility.
- Provides Zero Touch Integration with Security Fabric's Single Pane of Glass Management
- Predefined compliance checklist analyzes the deployment and highlights best practices to improve overall security posture

**Security Fabric**

- Enables Fortinet and Fabric-ready partners' products to provide broader visibility, integrated end-to-end detection, threat intelligence sharing and automated remediation
- Automatically builds Network Topology visualizations which discover IoT devices and provide complete visibility into Fortinet and Fabric-ready partner products

Firewall	IPS	NGFW	Threat Protection	Interfaces
3 Gbps	400 Mbps	250 Mbps	200 Mbps	Multiple GE RJ45   WiFi variants

Refer to specification table for details

# Deployment



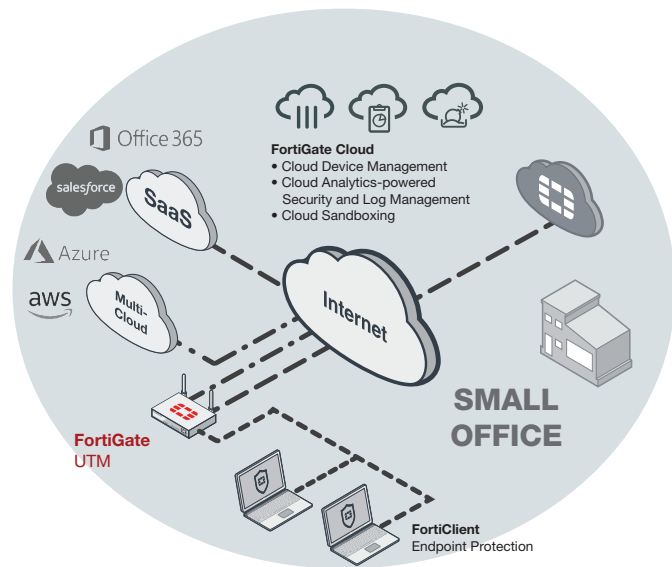
## Unified Threat Management (UTM)

- Integrated wired and wireless networking to simplify IT
- Purpose-built hardware for industry best performance with easy administration through cloud management
- Provides consolidated security and networking for small businesses and consistently provides top-rated threat protection
- Proactively blocks newly discovered sophisticated attacks in real-time with advanced threat protection

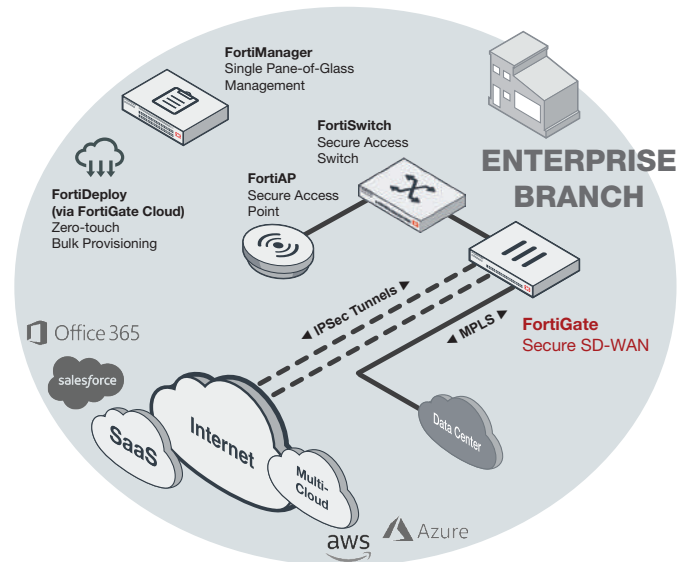


## Secure SD-WAN

- Secure direct Internet access for Cloud Applications for improved latency and reduce WAN cost spending
- High-performance and cost-effective threat protection capabilities
- WAN Path Controller and Link Health Monitoring for better application performance and quality of experience
- Security Processor powered industry's best IPsec VPN and SSL Inspection performance
- Simplified Management and Zero Touch deployment



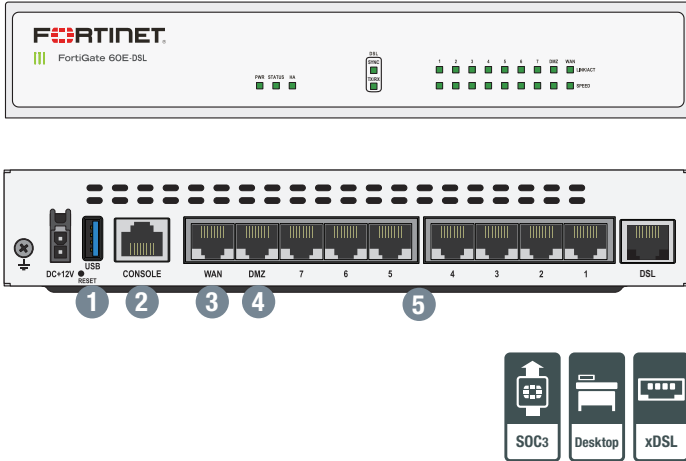
FortiWiFi 60E/DSL/J deployment in Small Office (UTM)



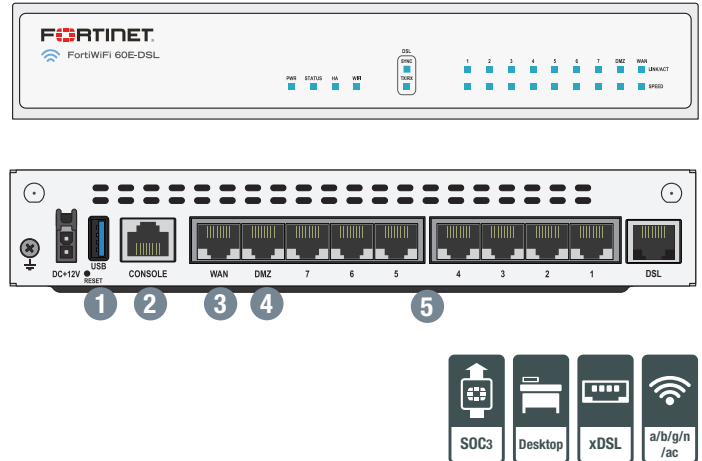
FortiGate 60E-DSL/J deployment in Enterprise Branch (Secure SD-WAN)

# Hardware

## FortiGate 60E-DSL/J



## FortiWiFi 60E-DSL/J



### Interfaces

1. USB Port
2. Console Port
3. 1x GE RJ45 WAN Port
4. 1x GE RJ45 DMZ Port
5. 7x GE RJ45 Internal Ports

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### Powered by SPU SoC3

- 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



### Comprehensive WAN connectivities

The FortiGate/FortiWiFi 60E-DSL/J includes a built-in DSL modem, along with support for 3G/4G connectivity via external third-party USB modems or FortiExtender. These capabilities provide redundant links 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 60E-DSL/J and provides speedy 802.11ac wireless access. The dual-band chipset addresses the PCI-DSS compliance requirement for rogue AP wireless scanning, providing maximum protection for regulated environments.

# Fortinet Security Fabric

## Security Fabric

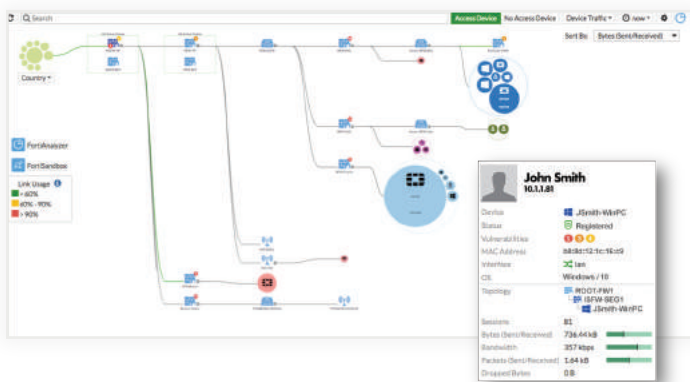
The Security Fabric delivers broad visibility, integrated AI-driven breach prevention, and automated operations, orchestration, and response across all Fortinet and its ecosystem deployments. It allows security to dynamically expand and adapt as more and more workloads and data are added. Security seamlessly follows and protects data, users, and applications as they move between IoT, devices, and cloud environments throughout the network. All this is tied together under a single pane of glass management for significantly thereby delivering leading security capabilities across your entire environment while also significantly reducing complexity.

FortiGates are the foundation of Security Fabric, expanding security via visibility and control by tightly integrating with other Fortinet security products and Fabric-Ready Partner solutions.



## FortiOS

Control all security and networking capabilities across the entire FortiGate platform with one intuitive operating system. Reduce complexity, costs, and response time with a truly consolidated next-generation security platform.



- A truly consolidated platform with a single OS and pane-of-glass for all security and networking services across all FortiGate platforms.
- Industry-leading protection: NSS Labs Recommended, VB100, AV Comparatives, and ICSA validated security and performance. Ability to leverage latest technologies such as deception-based security.
- Control thousands of applications, block the latest exploits, and filter web traffic based on millions of real-time URL ratings in addition to true TLS 1.3 support.
- Prevent, detect, and mitigate advanced attacks automatically in minutes with integrated AI-driven breach prevention and advanced threat protection.
- Fulfill your networking needs with extensive routing, switching, and SD-WAN capabilities along with intent-based segmentation.
- Utilize SPU hardware acceleration to boost security capability performance.

## 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 and other network and security vendors, as well as law enforcement agencies.



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.



For more information, please refer to [forti.net/fortiguard](https://forti.net/fortiguard) and [forti.net/forticare](https://forti.net/forticare)

## Specifications

	FORTIGATE 60E-DSL/J	FORTIWIFI 60E-DSL/J
<b>Hardware Specifications</b>		
GE RJ45 WAN / DMZ Ports	1 / 1	1 / 1
GE RJ45 Internal Ports	7	7
Wireless Interface	–	802.11 a/b/g/n/ac
USB Ports	1	1
Console (RJ45)	1	1
Internal Storage	–	–
<b>System Performance — Enterprise Traffic Mix</b>		
IPS Throughput <sup>2</sup>		400 Mbps
NGFW Throughput <sup>2,4</sup>		250 Mbps
Threat Protection Throughput <sup>2,5</sup>		200 Mbps
<b>System Performance</b>		
Firewall Throughput (1518 / 512 / 64 byte UDP packets)		3 / 3 / 3 Gbps
Firewall Latency (64 byte UDP packets)		3 µs
Firewall Throughput (Packets Per Second)		4.5 Mpps
Concurrent Sessions (TCP)		1.3 Million
New Sessions/Second (TCP)		30,000
Firewall Policies		5,000
IPsec VPN Throughput (512 byte) <sup>1</sup>		2 Gbps
Gateway-to-Gateway IPsec VPN Tunnels		200
Client-to-Gateway IPsec VPN Tunnels		500
SSL-VPN Throughput		150 Mbps
Concurrent SSL-VPN Users (Recommended Maximum, Tunnel Mode)		200
SSL Inspection Throughput (IPS, avg. HTTPS) <sup>3</sup>		135 Mbps
SSL Inspection CPS (IPS, avg. HTTPS) <sup>3</sup>		135
SSL Inspection Concurrent Session (IPS, avg. HTTPS) <sup>3</sup>		75,000
Application Control Throughput (HTTP 64K) <sup>2</sup>		650 Mbps
CAPWAP Throughput (HTTP 64K)		890 Mbps
Virtual Domains (Default / Maximum)		10 / 10
Maximum Number of FortiSwitches Supported		N.A.
Maximum Number of FortiAPs (Total / Tunnel Mode)		30 / 10
Maximum Number of FortiTokens		500
Maximum Number of Registered FortiClients		200
High Availability Configurations		Active / Active, Active / Passive, Clustering

	FORTIGATE 60E-DSL/J	FORTIWIFI 60E-DSL/J
<b>Dimensions</b>		
Height x Width x Length (inches)		1.7 x 8.5 x 7.1
Height x Width x Length (mm)		42.5 x 215 x 180
Weight	1.9 lbs (0.9 kg)	1.9 lbs (0.9 kg)
Form Factor		Desktop
<b>Operating Environment and Certifications</b>		
Power Required		100–240V AC, 50–60 Hz
Maximum Current	110V AC / 1.5 A, 220V AC / 0.75 A	115V AC / 0.9A, 230V AC / 0.6A
Total Available PoE Power Budget	N/A	N/A
Power Consumption (Average / Maximum)	11.7 / 14 W	12.6 / 15.2 W
Heat Dissipation	40 BTU/h	52 BTU/h
Operating Temperature		32–104°F (0–40°C)
Storage Temperature		-31–158°F (-35–70°C)
Humidity		10–90% non-condensing
Noise Level		-40 dBA
Operating Altitude		Up to 7,400 ft (2,250 m)
Compliance		FCC Part 15 Class B, C-Tick, VCCI, CE, UL/cUL, CB
Certifications		ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN

### SUPPORTED MODEL STANDARDS

#### FGT/FWF-60E-DSL

ANSI T1.413 Issue 2, ETSI ADSL over ISDN (TS 101 388)  
 ITU-T G.dmt (G.992.1) (ADSL) – Annex A  
 ITU-T G.dmt.bis (G.992.3) (ADSL2) – Annex A, Annex L, Annex M  
 ITU-T G.dmt.plus (G.992.5) (ADSL2+) – Annex A, Annex M  
 ITU-T VDSL2 (G.993.2) – All profiles 8a, 8b, 8c, 8d, 12a, 12b, 17a\_EU32 – Annex A, C (all regions)  
 ITU-T VDSL1 (G.993.1), ITU-T G.993.5, ITU-T G.998.4

#### FGT/FWF-60E-DSLJ

G.992.1 Annex B (ADSL1)  
 G.992.3 Annex B (ADSL2)  
 G.992.5 Annex B and J (ADSL2+)  
 G.993.2 VDSL2, Profiles 8a, 8b, 8c, 8d, 12a, 12b, 17a, 30a  
 G.993.5 Vectoring

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

1. IPsec VPN performance test uses AES256-SHA256.
2. IPS (Enterprise Mix), Application Control, NGFW and Threat Protection are measured with Logging enabled.
3. SSL Inspection performance values use an average of HTTPS sessions of different cipher suites.

4. NGFW performance is measured with Firewall, IPS and Application Control enabled.
5. Threat Protection performance is measured with Firewall, IPS, Application Control and Malware Protection enabled.

## Order Information

Product	SKU	Description
FortiGate 60E-DSL	FG-60E-DSL	9x GE RJ45 ports (including 7x internal ports, 1x WAN port, 1x DMZ port), internal ADSL2/2+ and VDSL2 modem.
FortiWiFi 60E-DSL	FWF-60E-DSL	9x GE RJ45 ports (including 7x internal ports, 1x WAN port, 1x DMZ port), internal ADSL2/2+ and VDSL2 modem, Wireless (802.11ac).
FortiGate-60E-DSLJ	FG-60E-DSLJ	9x GE RJ45 ports (including 7x internal ports, 1x WAN port, 1x DMZ port), internal ADSL2/2+ and VDSL2 modem supporting Annex B/J.
FortiWiFi-60E-DSLJ	FWF-60E-DSLJ	9x GE RJ45 ports (including 7x internal ports, 1x WAN port, 1x DMZ port), internal ADSL2/2+ and VDSL2 modem supporting Annex B/J, Wireless (802.11ac).

## Bundles



### FortiGuard 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 one of these FortiGuard Bundles.

Bundles	360 Protection	Enterprise Protection	UTM	Threat Protection
FortiCare	ASE <sup>1</sup>	24x7	24x7	24x7
FortiGuard App Control Service	•	•	•	•
FortiGuard IPS Service	•	•	•	•
FortiGuard Advanced Malware Protection (AMP) — Antivirus, Mobile Malware, Botnet, CDR, Virus Outbreak Protection and FortiSandbox Cloud Service	•	•	•	•
FortiGuard Web Filtering Service	•	•	•	•
FortiGuard Antispam Service	•	•	•	•
FortiGuard Security Rating Service	•	•	•	•
FortiGuard Industrial Service	•	•	•	•
FortiCASB SaaS-only Service	•	•	•	•
FortiConverter Service	•	•	•	•
SD-WAN Cloud Assisted Monitoring <sup>2</sup>	•	•	•	•
SD-WAN Overlay Controller VPN Service <sup>2</sup>	•	•	•	•
FortiAnalyzer Cloud <sup>2</sup>	•	•	•	•
FortiManager Cloud <sup>2</sup>	•	•	•	•

1. 24x7 plus Advanced Services Ticket Handling 2. Available when running FortiOS 6.2