

# FortiGate® 60D

**Enterprise Branch  
Secure SD-WAN  
Unified Threat Management**



The FortiGate 60D offers an excellent network security 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**

- Protects against known exploits, malware and malicious websites using continuous threat intelligence provided by FortiGuard Labs security services
- Detects unknown attacks using dynamic analysis and provides automated mitigation to stop targeted attacks

**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**

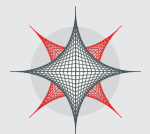
- Delivers an extensive routing, switching, wireless controller and high performance IPsec VPN capabilities to consolidate networking and security functionality
- Enables flexible deployment such as UTM and Secure SD-WAN

**Management**

- Single Pane of Glass with Network Operations Center (NOC) view provides 360° visibility to identify issues quickly and intuitively
- 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 collaboratively integrate and provide end-to-end security across the entire attack surface



| Firewall | IPS     | NGFW    | Threat Protection | Interfaces       |
|----------|---------|---------|-------------------|------------------|
| 1.5 Gbps | 50 Mbps | 30 Mbps | 25 Mbps           | Multiple GE RJ45 |

Refer to specification table for details

## DEPLOYMENT



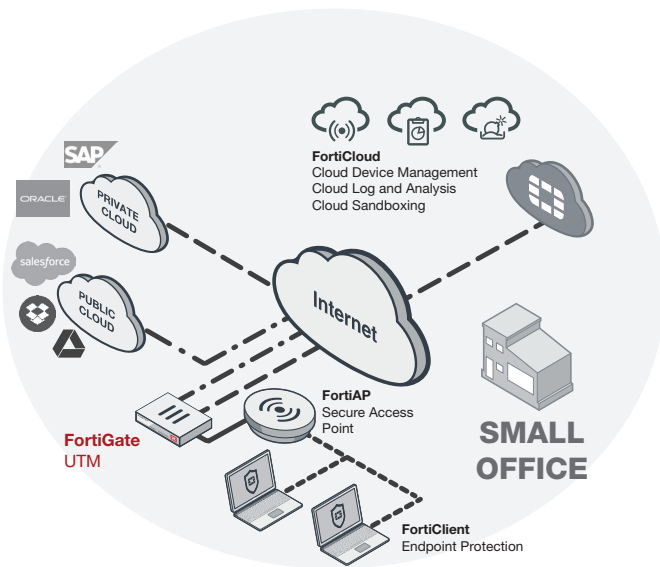
### Unified Threat Management (UTM)

- Consolidated security and networking for small businesses
- Consistently top-rated protection to stop threats
- Integrated wired and wireless networking to simplify IT
- Purpose-built hardware for industry best performance
- Cloud management for easy administration

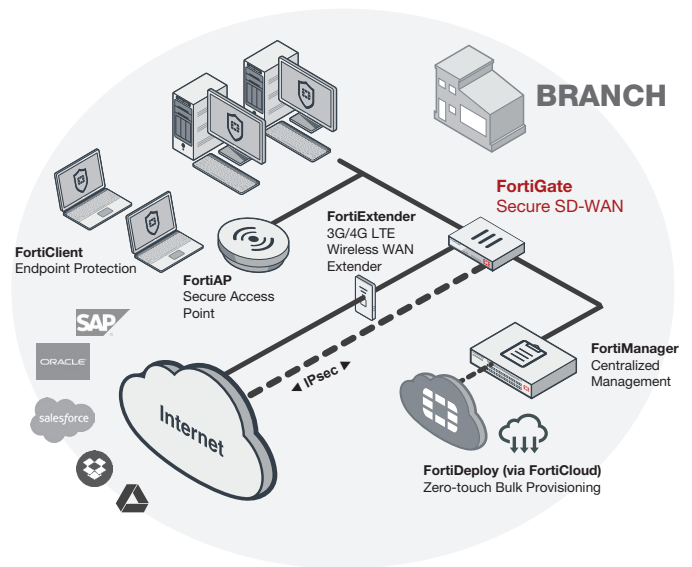


### Secure SD-WAN

- Secure direct Internet access for Cloud Applications for improved latency and reduce WAN cost spending
- Effective, cost-efficient and high performance threat prevention capabilities
- WAN Path Controller and Link Health Monitoring for better application performance
- Security Processor powered industry's best IPsec VPN and SSL Inspection performance
- Centralized Management and Zero Touch deployment



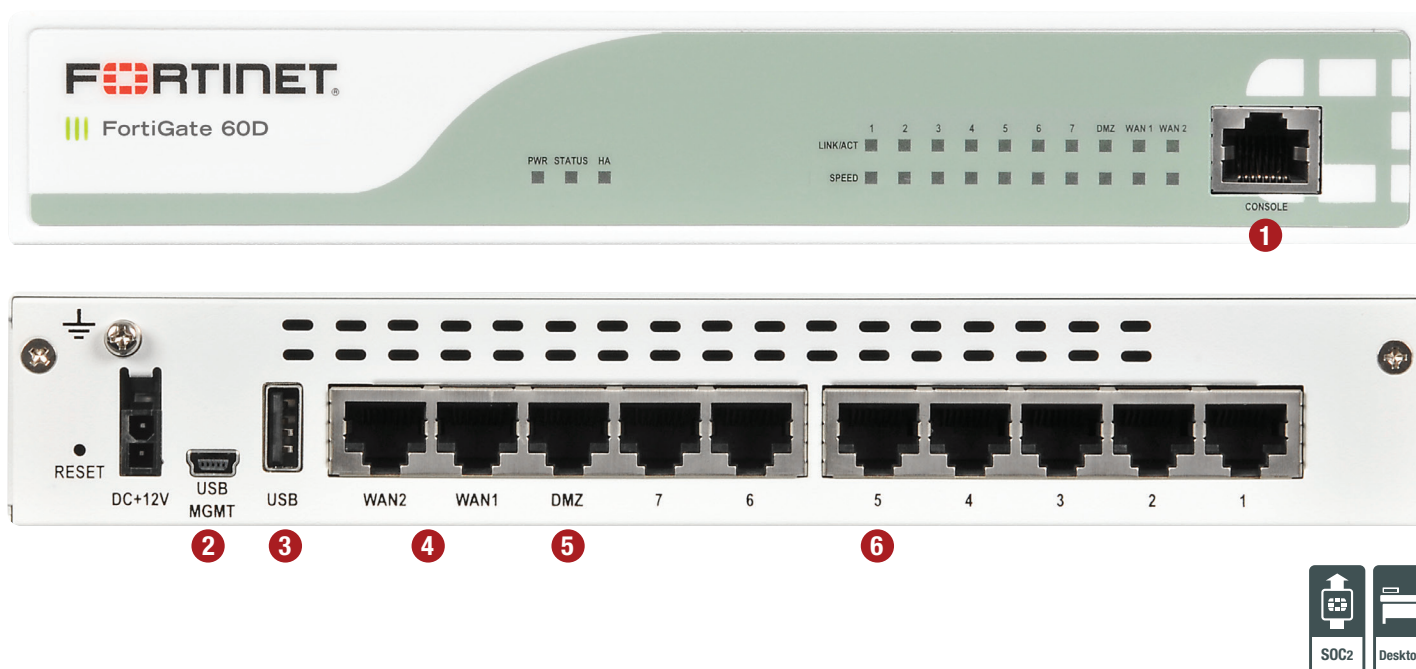
FortiGate 60D deployment in small office (UTM)



FortiGate 60D deployment in branch office (Secure SD-WAN)

## HARDWARE

### FortiGate 60D



### Interfaces

- |  |                              |
|--|------------------------------|
| 1. Console Port                          | 4. 2x GE RJ45 WAN Ports      |
| 2. USB Management Port for FortiExplorer | 5. 1x GE RJ45 DMZ Ports      |
| 3. USB Port                              | 6. 7x GE RJ45 Internal Ports |

#### 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 easy setup and configuration coupled 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 60D 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.

# FORTINET SECURITY FABRIC

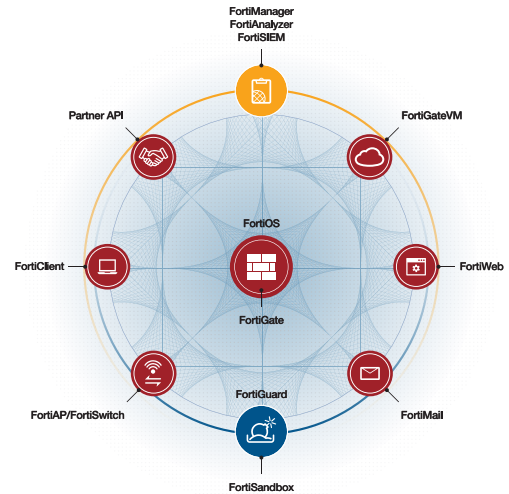
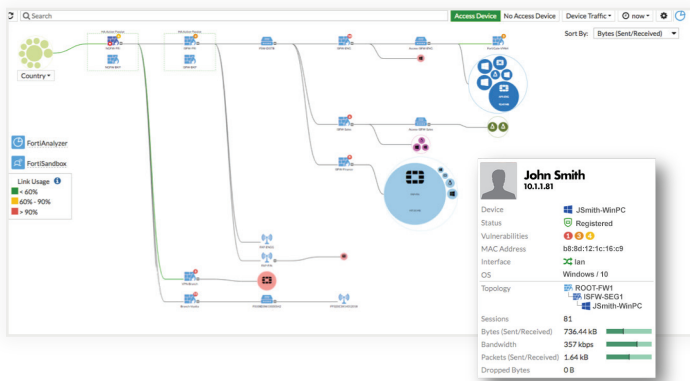
## Security Fabric

The Security Fabric 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.

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 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.
- Prevent, detect, and mitigate advanced attacks automatically in minutes with integrated advanced threat protection.
- Fulfill your networking needs with extensive routing, switching, and SD-WAN capabilities.
- Utilize SPU hardware acceleration to boost security capability performance.

For more information, please refer to the FortiOS data sheet available at [www.fortinet.com](http://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 and other network and security vendors, as well as law enforcement agencies.

### 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.

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

## SPECIFICATIONS

| FORTIGATE 60D  |   |
|--|---|
| <b>Hardware Specifications</b>                                 |   |
| GE RJ45 WAN Ports  | 2   |
| GE RJ45 Internal Ports   | 7   |
| GE RJ45 DMZ Ports  | 1   |
| USB Ports (Client / Server)                                    | 1 / 1   |
| Console (RJ45)   | 1   |
| <b>System Performance</b>                                      |   |
| Firewall Throughput<br>(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) <sup>1</sup>                   | 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<br>Maximum, Tunnel Mode) | 100   |
| SSL Inspection Throughput (IPS, HTTP) <sup>3</sup>             | 18 Mbps                                       |
| Application Control Throughput<br>(HTTP 64K) <sup>2</sup>      | 90 Mbps                                       |
| CAPWAP Throughput (HTTP 64K)                                   | 60 Mbps                                       |
| Virtual Domains (Default / Maximum)                            | 10 / 10                                       |
| Maximum Number of Switches Supported                           | 8   |
| Maximum Number of FortiAPs<br>(Total / Tunnel Mode)            | 10 / 5  |
| Maximum Number of FortiTokens                                  | 100   |
| Maximum Number of Registered<br>FortiClients                   | 200   |
| High Availability Configurations                               | Active / Active, Active / Passive, Clustering |
| <b>System Performance — Optimal Traffic Mix</b>                |   |
| IPS Throughput <sup>2</sup>                                    | 200 Mbps                                      |
| <b>System Performance — Enterprise Traffic Mix</b>             |   |
| IPS Throughput <sup>2</sup>                                    | 50 Mbps                                       |
| NGFW Throughput <sup>2,4</sup>                                 | 30 Mbps                                       |
| Threat Protection Throughput <sup>2,5</sup>                    | 25 Mbps                                       |

| FORTIGATE 60D                         |  |
|---------------------------------------|--|
| <b>Dimensions</b>                     |  |
| 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  |
| <b>Environment</b>                    |  |
| Power Required                        | 100–240V AC, 50–60 Hz  |
| Maximum Current                       | 110 V / 1.5 A, 220 V / 0.75 A                                      |
| Power Consumption (Average / Maximum) | 11.7 / 14 W  |
| Heat Dissipation                      | 40 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                           | Fanless 0 dBA  |
| Operating Altitude                    | Up to 7,400 ft (2,250 m)   |
| <b>Compliance</b>                     |  |
| Regulatory Compliance                 | FCC Part 15 Class B, C-Tick, VCCI, CE, UL/cUL, CB                  |
| <b>Certifications</b>                 |  |
|                                       | ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN;<br>USGv6/IPv6 |

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 test uses TLS v1.2 with AES128-SHA256.

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 60D      | FG-60D         | 10x GE RJ45 ports (including 7x Internal ports, 2x WAN ports, 1x DMZ port). Maximum managed FortiAPs (Total / Tunnel) 10 / 5. |
| Optional Accessory |                |   |
| Rack Mount Tray    | SP-RACKTRAY-02 | Rack mount tray for all FortiGate E series desktop models and backward compatible with SP-RackTray-01                         |



### 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  | Threat Protection | UTM | Enterprise Protection |
|--|-------------------|-----|-----------------------|
| FortiSandbox Cloud (plus FortiGuard CDR* and VOP* service) |                   |     | •                     |
| FortiGuard Antispam  |                   | •   | •                     |
| FortiGuard Web Filtering                                   |                   | •   | •                     |
| FortiGuard Antivirus + Botnet + Mobile AV Service          | •                 | •   | •                     |
| FortiGuard IPS Service                                     | •                 | •   | •                     |
| FortiCare + FortiGuard App Control Service                 | •                 | •   | •                     |

\* Available when running FortiOS 6.0 and above



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