The FortiGate/FortiWiFi 60E series provides a fast and secure SD-WAN solution in a compact fanless desktop form factor for enterprise branch offices and mid-sized businesses. Protects against cyber threats with system-on-a-chip acceleration and industry-leading secure SD-WAN in a simple, affordable, and easy to deploy solution. Fortinet’s Security-Driven Networking approach provides tight integration of the network to the new generation of security.

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
- Prevents and detects against known attacks using continuous threat intelligence from AI-powered FortiGuard Labs security services
- Proactively blocks unknown sophisticated attacks in real-time with the Fortinet Security Fabric integrated AI-powered FortiSandbox

Performance
- Engineered for Innovation using Fortinet’s purpose-built security processors (SPU) to deliver the industry’s best threat protection performance and ultra-low latency
- Provides industry-leading performance and protection for SSL encrypted traffic including the first firewall vendor to provide TLS 1.3 deep inspection

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
- Application aware routing with in-built SD-WAN capabilities to achieve consistent application performance and the best user experience
- Built-in advanced routing capabilities to deliver high performance with encrypted IPSEC tunnels at scale

Management
- Includes a management console that is effective and simple to use, which provides a comprehensive network of automation & visibility
- Provides Zero Touch Provisioning leveraging Single Pane of Glass Management powered by the Fabric Management Center
- Predefined compliance checklists analyze the deployment and highlight best practices to improve the 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

<table>
<thead>
<tr>
<th>Firewall</th>
<th>IPS</th>
<th>NGFW</th>
<th>Threat Protection</th>
<th>Interfaces</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Gbps</td>
<td>400 Mbps</td>
<td>250 Mbps</td>
<td>200 Mbps</td>
<td>Multiple GE RJ45</td>
</tr>
</tbody>
</table>

Refer to the specifications table for details.
Deployment

Next Generation Firewall (NGFW)

- Reduce the complexity and maximize your ROI by integrating threat protection security capabilities into a single high-performance network security appliance, powered by Fortinet's Security Processing Unit (SPU)
- Full visibility into users, devices, applications across the entire attack surface and consistent security policy enforcement irrespective of asset location
- Protect against network exploitable vulnerabilities with industry-validated IPS that offers low latency and optimized network performance
- Automatically block threats on decrypted traffic using the Industry's highest SSL inspection performance, including the latest TLS 1.3 standard with mandated ciphers
- Proactively block newly discovered sophisticated attacks in real-time with AI-powered FortiGuard Labs and advanced threat protection services included in the Fortinet Security Fabric

Secure SD-WAN

- Consistent business application performance with accurate detection, dynamic WAN path steering and optimization
- Multi-cloud access for faster SaaS adoption with end-to-end optimization
- Simplification with zero touch deployment and centralized management with auto-provisioning, analytics and reporting
- Strong security posture with next generation firewall and real-time threat protection
Hardware

**FortiGate/FortiWiFi 60E/61E**

- Hardware 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 and secure remote access

**3G/4G WAN Connectivity**

The FortiGate/FortiWiFi 60E 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 60E 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.

**Interfaces**

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

**FortiGate 60E-POE**

- 1. USB Port
- 2. Console Port
- 3. 8x GE RJ45 PoE/+ Ports
- 4. 2x GE RJ45 WAN Ports
Fortinet Security Fabric

Security Fabric
The Security Fabric is the cybersecurity platform that enables digital innovations. It delivers broad visibility of the entire attack surface to better manage risk. Its unified and integrated solution reduces the complexity of supporting multiple-point products, while automated workflows increase operational speeds and reduce response times across the Fortinet deployment ecosystem. The Fortinet Security Fabric covers the following key areas under a single management center:

- **Security-Driven Networking** that secures, accelerates, and unifies the network and user experience
- **Zero Trust Network Access** that identifies and secures users and devices in real-time, on and off of the network
- **Dynamic Cloud Security** that protects and controls cloud infrastructures and applications
- **AI-Driven Security Operations** that automatically prevents, detects, isolates, and responds to cyber threats

FortiOS
FortiGates are the foundation of the Fortinet Security Fabric—the core is FortiOS. All security and networking capabilities across the entire FortiGate platform are controlled with one intuitive operating system. FortiOS reduces complexity, costs, and response times by truly consolidating next-generation security products and services into one platform.

- A truly consolidated platform with a single OS and pane-of-glass for across the entire digital attack surface.
- Industry-leading protection: NSS Labs Recommended, VB100, AV Comparatives, and ICSA validated security and performance.
- Leverage the 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.
- Automatically prevent, detect, and mitigate advanced attacks within minutes with an integrated AI-driven security and advanced threat protection.
- Improve and unify the user experience with innovative SD-WAN capabilities with the ability to detect, contain, and isolate threats with automated segmentation.
- Utilize SPU hardware acceleration to boost network security performance.

Services

**FortiGuard™ Security Services**
FortiGuard Labs offer 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 and forti.net/forticare
## Specifications

<table>
<thead>
<tr>
<th>Hardware Specifications</th>
<th>FORTIGATE 60E</th>
<th>FORTIGATE 60E-POE</th>
<th>FORTIWIFI 60E</th>
<th>FORTIGATE 61E</th>
<th>FORTIWIFI 61E</th>
</tr>
</thead>
<tbody>
<tr>
<td>GE RJ45 WAN / DMZ Ports</td>
<td>2 / 1</td>
<td>2</td>
<td>2 / 1</td>
<td>2 / 1</td>
<td>2 / 1</td>
</tr>
<tr>
<td>GE RJ45 Internal Ports</td>
<td>7</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>GE RJ45 PoE+ Ports</td>
<td>8</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Wireless Interface</td>
<td>802.11 a/b/g/n</td>
<td>802.11 a/b/g/n</td>
<td>802.11 a/b/g/n</td>
<td>802.11 a/b/g/n</td>
<td>802.11 a/b/g/n</td>
</tr>
<tr>
<td>USB Ports</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Console (RJ45)</td>
<td>1</td>
<td>1</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Internal Storage</td>
<td>1x 128 GB SSD</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

### System Performance — Enterprise Traffic Mix

- **IPS Throughput** \(^1\) 400 Mbps
- **NGFW Throughput** \(^2, 4\) 250 Mbps
- **Threat Protection Throughput** \(^4\) 200 Mbps

### System Performance

- **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)** 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)** 300
- **SSL Inspection Throughput (IPS, avg. HTTPS)** \(^3\) 1.3 Mbps
- **SSL Inspection CPS (IPS, avg. HTTPS)** \(^3\) 135
- **SSL Inspection Concurrent Session (IPS, avg. HTTPS)** \(^3\) 75,000
- **Application Control Throughput (HTTP 64K)** \(^4\) 650 Mbps
- **CAPWAP Throughput (HTTP 64K)** \(^4\) 800 Mbps
- **Virtual Domains (Default / Maximum)** 10 / 10
- **Maximum Number of FortiSwitches Supported** 16
- **Maximum Number of FortiAPs (Total / Tunnel Mode)** 30 / 10
- **Maximum Number of FortiTokens** 500
- **High Availability Configurations** Active / Active, Active / Passive, Clustering

### Dimensions

- **Height x Width x Length (inches)** 1.5 x 8.5 x 6.3
- **Height x Width x Length (mm)** 38 x 216 x 160
- **Weight** 1.9 lbs (0.9 kg)
- **Form Factor** Desktop

### Radio Specifications

- **Multiple User (MU MIMO)**
- **Maximum Wi-Fi Speeds**
  - 870 Mbps @ 5GHz, 300 Mbps @ 2.4GHz
- **Maximum Tx Power**
  - 21 dBm
- **Antenna Gain**
  - 3 dBi @ 2.4 GHz

---

**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.
Specifications

<table>
<thead>
<tr>
<th>Operating Environment and Certifications</th>
<th>FORTIGATE 60E</th>
<th>FORTIGATE 60E-POE</th>
<th>FORTIWIFI 60E</th>
<th>FORTIGATE 61E</th>
<th>FORTIWIFI 61E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Rating</td>
<td>12Vdc, 3A</td>
<td>12Vdc, 7A</td>
<td>12Vdc, 3A</td>
<td>12Vdc, 3A</td>
<td>12Vdc, 3A</td>
</tr>
<tr>
<td>Power Required</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Current</td>
<td>115V AC / 0.7A</td>
<td>115V AC / 0.9A</td>
<td>115V AC / 0.9A</td>
<td>115V AC / 0.9A</td>
<td>115V AC / 0.9A</td>
</tr>
<tr>
<td>Total Available PoE Power Budget*</td>
<td></td>
<td>8x PoE/PoE+ ports</td>
<td>2x WAN ports</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Consumption (Average / Maximum)</td>
<td></td>
<td>12Vdc, 0.48 A</td>
<td>12Vdc, 0.48 A</td>
<td>12Vdc, 0.48 A</td>
<td>12Vdc, 0.48 A</td>
</tr>
<tr>
<td>Heat Dissipation</td>
<td></td>
<td>49 BTU/hr</td>
<td>49 BTU/hr</td>
<td>49 BTU/hr</td>
<td>49 BTU/hr</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>32–104°F (0–40°C)</td>
<td>32–104°F (0–40°C)</td>
<td>32–104°F (0–40°C)</td>
<td>32–104°F (0–40°C)</td>
<td>32–104°F (0–40°C)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-31–158°F (-35–70°C)</td>
<td>-31–158°F (-35–70°C)</td>
<td>-31–158°F (-35–70°C)</td>
<td>-31–158°F (-35–70°C)</td>
<td>-31–158°F (-35–70°C)</td>
</tr>
<tr>
<td>Humidity</td>
<td>10–90% non-condensing</td>
<td>10–90% non-condensing</td>
<td>10–90% non-condensing</td>
<td>10–90% non-condensing</td>
<td>10–90% non-condensing</td>
</tr>
<tr>
<td>Noise Level</td>
<td>Fanless 0 dBA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compliance</td>
<td>FCC, ICES, CE, RCM, RoHS, BSMI, UU/UL, GB</td>
<td>FCC, ICES, CE, RCM, RoHS, BSMI, UU/UL, GB</td>
<td>FCC, ICES, CE, RCM, RoHS, BSMI, UU/UL, GB</td>
<td>FCC, ICES, CE, RCM, RoHS, BSMI, UU/UL, GB</td>
<td>FCC, ICES, CE, RCM, RoHS, BSMI, UU/UL, GB</td>
</tr>
<tr>
<td>Certifications</td>
<td>ICSA Labs: Firewall, IPS, Antivirus, SSL-VPN</td>
<td>ICSA Labs: Firewall, IPS, Antivirus, SSL-VPN</td>
<td>ICSA Labs: Firewall, IPS, Antivirus, SSL-VPN</td>
<td>ICSA Labs: Firewall, IPS, Antivirus, SSL-VPN</td>
<td>ICSA Labs: Firewall, IPS, Antivirus, SSL-VPN</td>
</tr>
</tbody>
</table>

Order Information

<table>
<thead>
<tr>
<th>Product</th>
<th>SKU</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FortiGate 60E</td>
<td>FG-60E</td>
<td>10x GE RJ45 ports (including 7x Internal ports, 2x WAN ports, 1x DMZ port)</td>
</tr>
<tr>
<td>FortiGate 60E-POE</td>
<td>FG-60E-POE</td>
<td>10x GE RJ45 ports (including 8x PoE/PoE+ ports, 2x WAN ports)</td>
</tr>
<tr>
<td>FortiWiFi 60E</td>
<td>FWF-60E</td>
<td>10x GE RJ45 ports (including 7x Internal ports, 2x WAN ports, 1x DMZ port), Wireless (802.11a/b/g/n/ac)</td>
</tr>
<tr>
<td>FortiGate 61E</td>
<td>FG-61E</td>
<td>10x GE RJ45 ports (including 7x Internal ports, 2x WAN ports, 1x DMZ port), 128 GB SSD onboard storage</td>
</tr>
<tr>
<td>FortiWiFi 61E</td>
<td>FWF-61E</td>
<td>10x GE RJ45 ports (including 7x Internal ports, 2x WAN ports, 1x DMZ port), Wireless (802.11a/b/g/n/ac), 128 GB SSD onboard storage</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Bundles</th>
<th>360 Protection</th>
<th>Enterprise Protection</th>
<th>Unified Threat Protection</th>
<th>Threat Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>FortiCare</td>
<td>APE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FortiGuard App Control Service</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FortiGuard IPS Service</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FortiGuard Advanced Malware Protection (AMP)</td>
<td>Antivirus, Mobile Malware, Botnet, CDR, Virus Outbreak Protection and FortiSandBox Cloud Service</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FortiGuard Web Filtering Service</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FortiGuard AntiSpam Service</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FortiGuard Security Rating Service</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FortiGuard Industrial Service</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FortiGuard 501 Detection Service</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FortiConverter Service</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IPAM Cloud</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SD-WAN Orchestrator Entitlement</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SD-WAN Cloud Assisted Monitoring</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SD-WAN Overlay Controller VPN Service</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FortiAnalyzer Cloud</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FortiManager Cloud</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. 24x7 plus Advanced Services Ticket Handling
2. Available when running FortiOS 6.4

Copyright © 2020 Fortinet, Inc. All rights reserved. Fortinet, FortiGuard, FortiGate®, FortiCare®, and FortiManager, and certain other marks are registered trademarks of Fortinet, Inc., and other Fortinet marks herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet’s General Counsel, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet’s internal lab tests. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.