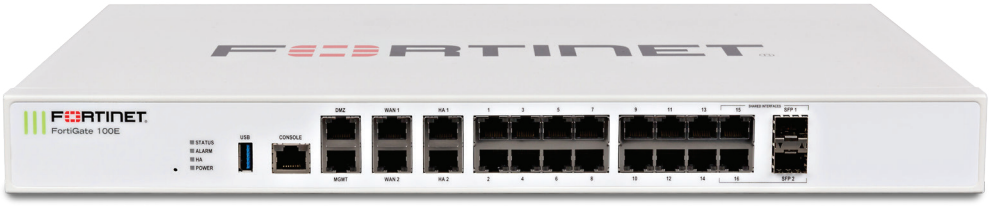
# FortiGate® 100E Series

FortiGate 100E and 101E



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.

**7.4 Gbps**
*Firewall*

**2 Million**
*Concurrent Sessions*

**500 Mbps**
*IPS*

**360 Mbps**
*NGFW*

**250 Mbps**
*Threat Protection*

Multiple GE SPF | Multiple GE RJ45

**Deployment Modes**

Distributed Enterprise Firewall

Next Generation Firewall

**Hardware Acceleration**

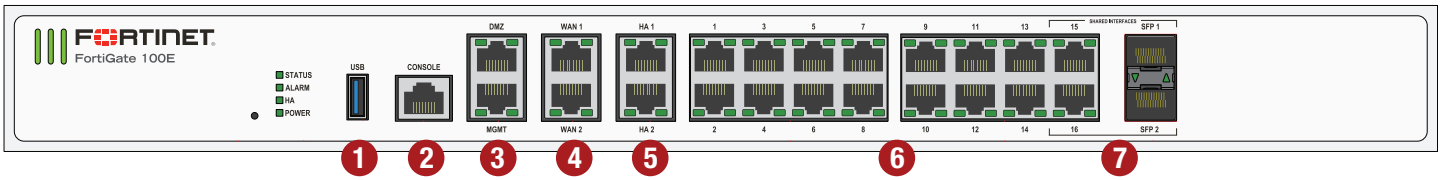
SPU SoC3

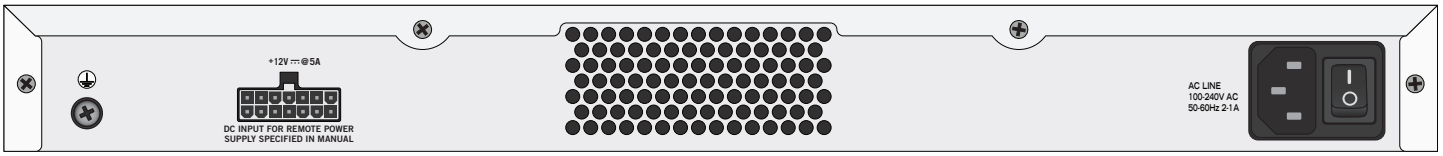
**Third-Party Certifications**

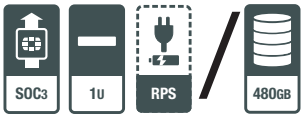
ICSA labs CERTIFIED ANTI-VIRUS
ICSA labs CERTIFIED FIREWALL - CORPORATE
ICSA labs CERTIFIED IPSEC - BASIC
ICSA labs CERTIFIED SSL VPN
ICSA labs CERTIFIED NETWORK IPS

# HARDWARE

## FortiGate 100E/101E




## Interfaces

1. USB Port
2. Console Port
3. 2x GE RJ45 MGMT/DMZ Ports
4. 2x GE RJ45 WAN Ports
5. 2x GE RJ45 HA Ports
6. 14x GE RJ45 Ports
7. 2x GE RJ45/SFP Shared Media Pairs

## Powered by SPU SoC3

- Combines a RISC-based CPU with Fortinet's proprietary Security Processing Unit (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

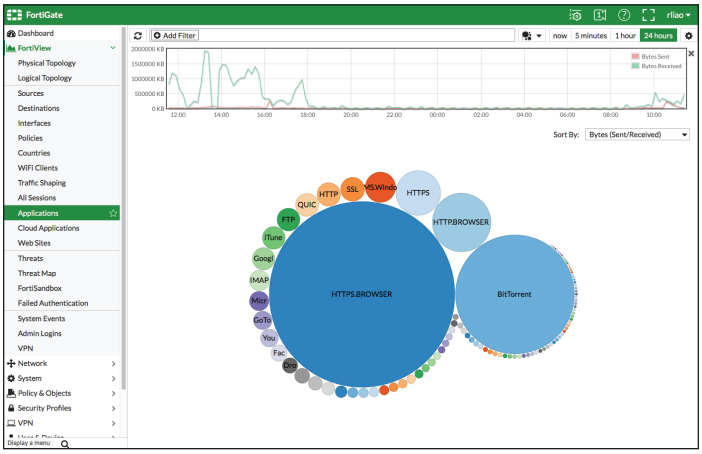
## Redundant Power Supply

Power supply redundancy is essential in the operation of mission-critical networks. The FortiGate 100E Series offers option to connect to an external redundant power supply appliance — The FortiRPS 100, designed to increase network availability and uptime.

# 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.

# SPECIFICATIONS

| | FORTIGATE 100E | FORTIGATE 101E |
|---|---|---|
| **Hardware Specifications** | | |
| GE RJ45 Ports | 14 | |
| GE RJ45 Management/DMZ Ports | 1 / 1 | |
| GE RJ45 HA Ports | 2 | |
| GE RJ45 WAN Ports | 2 | |
| GE RJ45 or SFP Shared Ports | 2 | |
| USB Port | 1 | |
| Console Port | 1 | |
| Internal Storage | — | 480 GB |
| Included Transceivers | 0 | |
| **System Performance** | | |
| Firewall Throughput (1518 / 512 / 64 byte UDP packets) | 7.4 / 7.4 / 4.4 Gbps | |
| Firewall Latency (64 byte UDP packets) | 3 µs | |
| Firewall Throughput (Packets Per Second) | 6.6 Mpps | |
| Concurrent Sessions (TCP) | 2 Million | |
| New Sessions/Second (TCP) | 30,000 | |
| Firewall Policies | 10,000 | |
| IPsec VPN Throughput (512 byte packets) | 4 Gbps | |
| Gateway-to-Gateway IPsec VPN Tunnels | 2,000 | |
| Client-to-Gateway IPsec VPN Tunnels | 5,000 | |
| SSL-VPN Throughput | 250 Mbps | |
| Concurrent SSL-VPN Users (Recommended Maximum) | 300 | |
| IPS Throughput (HTTP / Enterprise Mix) [1] | 1.9 Gbps / 500 Mbps | |
| SSL Inspection Throughput [2] | 350 Mbps | |
| Application Control Throughput [3] | 800 Mbps | |
| NGFW Throughput [4] | 360 Mbps | |
| Threat Protection Throughput [5] | 250 Mbps | |
| CAPWAP Throughput [6] | 1.5 Gbps | |
| Virtual Domains (Default / Maximum) | 10 / 10 | |
| Maximum Number of FortiAPs (Total / Tunnel Mode) | 64 / 32 | |
| Maximum Number of FortiTokens | 1,000 | |
| Maximum Number of Registered FortiClients | 600 | |
| High Availability Configurations | Active / Active, Active / Passive, Clustering | |
| **Dimensions** | | |
| Height x Width x Length (inches) | 1.73 x 17.00 x 10.00 | |
| Height x Width x Length (mm) | 44 x 432 x 254 | |
| Form Factor | Rack Mount, 1 RU | |
| Weight | 7.28 lbs (3.3 kg) | |
| **Environment** | | |
| Power Required | 100–240V AC, 60–50 Hz | |
| Maximum Current | 100V / 1A, 240V / 0.5A | |
| Power Consumption (Average / Maximum) | 23.0 W / 25.5 W | 24.8 W / 27.5 W |
| Heat Dissipation | 87.0 BTU/h | 93.8 BTU/h |
| Operating / Storage Temperature | 32–104°F (0–40°C) / -31–158°F (-35–70°C) | |
| Operating Altitude | Up to 7,400 ft (2,250 m) | |
| Humidity | 20–90% non-condensing | |
| **Compliance** | | |
| | FCC Part 15B, Class A, CE, RCM, VCCI, UL/cUL, CB, BSMI | |
| **Certifications** | | |
| | ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN; 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.

For complete, up-to-date and detailed feature set, please refer to the Administration Handbook and FortiOS Datasheet.

# ORDER INFORMATION

| Product | SKU | Description |
|---|---|---|
| FortiGate 100E | FG-100E | 20x GE RJ45 ports (including 2x WAN ports, 1x DMZ port, 1x Mgmt port, 2x HA ports, 14x switch ports), 2x Shared Media pairs (including 2x GE RJ45 ports, 2x SFP slots). Maximum managed FortiAPs (Total / Tunnel) 64 / 32. |
| FortiGate 101E | FG-101E | 20 x GE RJ45 ports (including 2x WAN ports, 1x DMZ port, 1x Mgmt port, 2x HA ports, 14x switch ports), 2x Shared Media pairs (including 2x GE RJ45 ports, 2x SFP slots) 480 GB onboard storage. Maximum managed FortiAPs (Total / Tunnel) 64 / 32. |
| **Optional Accessories** | | |
| External redundant AC power supply | FRPS-100 | External redundant AC power supply for up to 4 units: FG-100/101E, FG-300C, FG-310B, FS-348B and FS-448B. Up to 2 units: FG-200B, FG-200D, FG-200/201E, FG-240D and FG-300D, FG-400D, FG-500D, FG-600D, FHV-500D, FDD-200B, FDD-400B, FDD-600B and FDD-800B. |
| 1 GE SFP LX transceiver module | FG-TRAN-LX | 1 GE SFP LX transceiver module for all systems with SFP and SFP/SFP+ slots. |
| 1 GE SFP RJ45 transceiver module | FG-TRAN-GC | 1 GE SFP RJ45 transceiver module for all systems with SFP and SFP/SFP+slots. |
| 1 GE SFP SX transceiver module | FG-TRAN-SX | 1 GE SFP SX transceiver module for all systems with SFP and SFP/SFP+ slots. |

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