



FortiGate 100E Series

FortiGate 100E and 101E

The Fortinet Enterprise Firewall Solution

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.

One Enterprise Firewall Solution across the Extended Enterprise

The FortiGate family of network appliances represents the industry’s broadest range of enterprise firewall platforms. FortiGate is based on FortiASIC, a purpose-built integrated architecture that provides extremely high throughput and exceptionally low latency, while delivering industry-leading security effectiveness and consolidation which is routinely validated by independent real-world tests. Targeted for mid-enterprises, the FortiGate 100E series contains superior security inspection functionality, deep visibility and high performance.

Highlights

	Firewall	IPS	NGFW	Threat Protection	Interfaces
	Enterprise Traffic Mix				
FG-100E Series	7.4 Gbps	500 Mbps	360 Mbps	250 Mbps	Multiple GE SFP and GE RJ45

FortiGate® 100E Series
Distributed Enterprise Firewall
Next Generation Firewall



Validated Security



One Network OS



Performance



Single Pane of Glass



Universal Platform Support



FORTINET SECURITY FABRIC

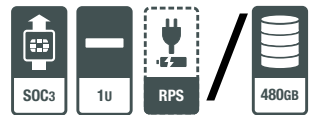
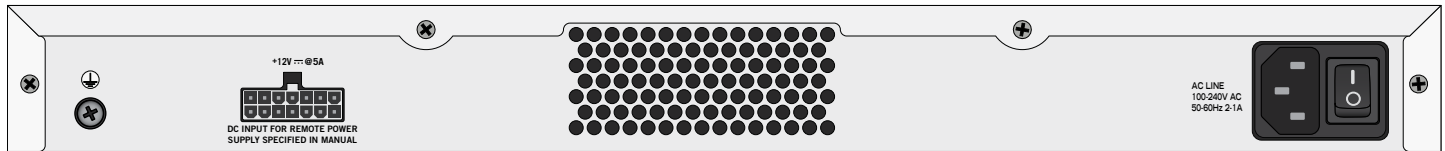
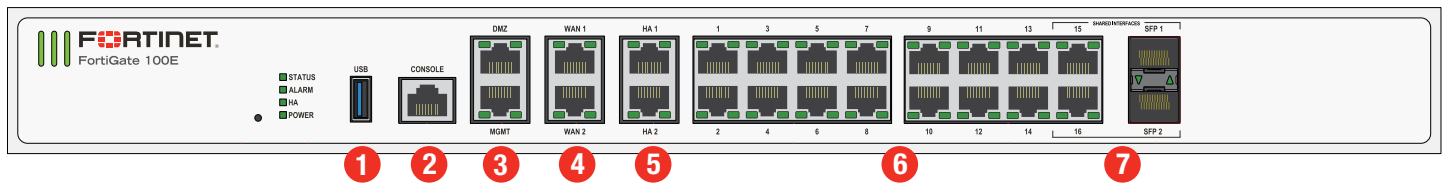
FortiGate appliances, interconnected with the Fortinet Security Fabric, form the backbone of the Fortinet Enterprise Solution

forti.net/sf



HARDWARE

FortiGate 100E/101E



Interfaces

- | | |
|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 6. 14x GE RJ45 Ports 7. 2x GE RJ45/SFP Shared Media Pairs |
|---|--|



Powered by FortiASIC SoC3

- Combines a RISC-based CPU with Fortinet’s proprietary FortiASIC™ 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 ASIC-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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