

# FortiGate® 30E-3G4G

Secure SD-WAN  
Next Generation Firewall



The FortiGate 30E-3G4G series provides an application-centric, scalable 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, ICASA, Virus Bulletin, and AV Comparatives

### Networking

- Dynamic Path Selection over any WAN transport to provide better application experience based on self-healing SD-WAN capabilities
- Advanced routing, Scalable VPN, multi-cast and IPV4/IPV6 forwarding powered by purpose-built network processors

### Management

- SD-WAN Orchestration provides intuitive and simplified workflow for centralized management and provisioning of business policies in a few easy clicks
- Expedited deployment with Zero touch provisioning well-suited for large and distributed infrastructure
- Automated VPN tunnels for flexible hub-to-spoke and full-mesh deployment at scale to provide bandwidth aggregation and encrypted WAN paths
- 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

Firewall	IPS	NGFW	Threat Protection	Interfaces
950 Mbps	300 Mbps	200 Mbps	150 Mbps	Multiple GE RJ45

Refer to the specifications table for details

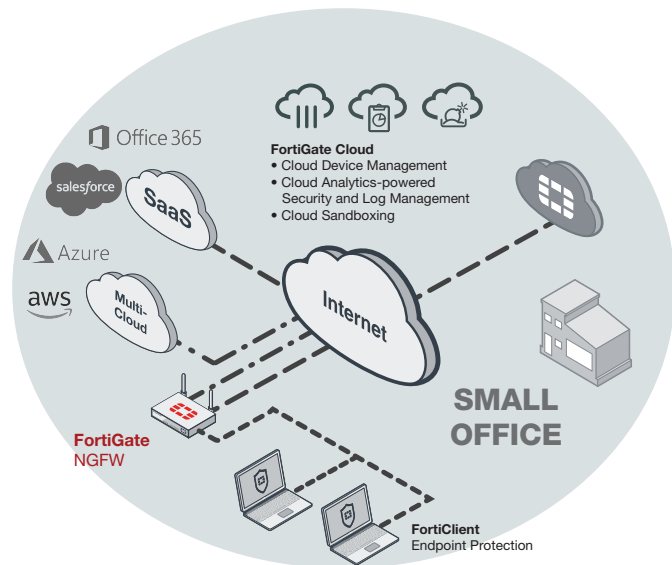
# Deployment

## Next Generation Firewall (NGFW)

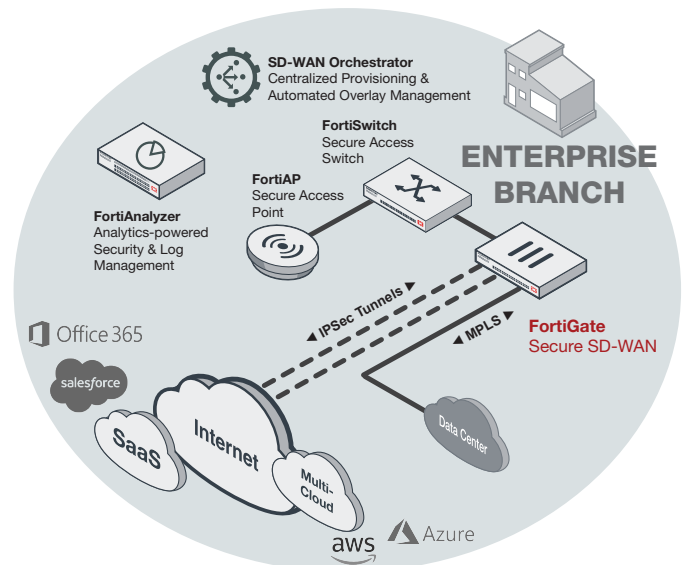
- Reduce the complexity and maximize your ROI by integrating threat protection security capabilities into a single high-performance network security appliance, powered by Fortinet's Security Processing Unit (SPU)
- Full visibility into users, devices, applications across the entire attack surface and 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 on any best-performing WAN transport
- Accelerated Multi-cloud access for faster SaaS adoption with cloud-on-ramp
- Self-healing networks with WAN edge high availability, sub-second traffic switchover-based and real-time bandwidth compute-based traffic steering
- Automated Overlay tunnels provides encryption and abstracts physical hybrid WAN making it simple to manage.
- Simplified and intuitive workflow with SD-WAN Orchestrator for management and zero touch deployment
- Enhanced analytics both real-time and historical provides visibility into network performance and identify anomalies
- Strong security posture with next generation firewall and real-time threat protection



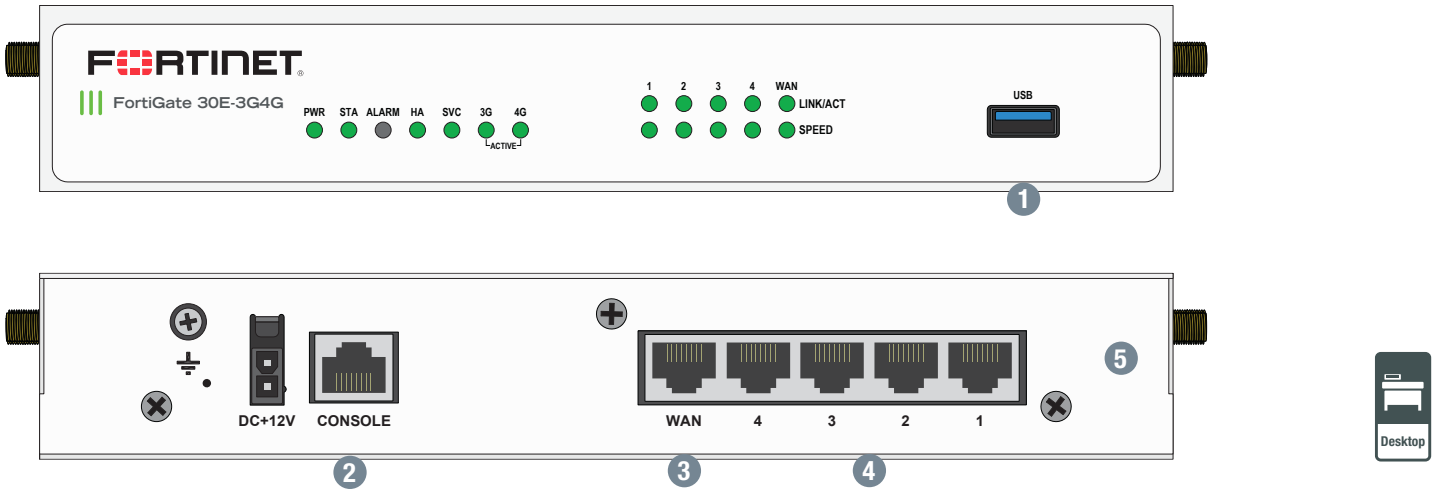
FortiGate 30E deployment in Small Office (NGFW)



FortiGate 30E deployment in Enterprise Branch (Secure SD-WAN)

## Hardware

### FortiGate 30E-3G4G



### Interfaces

- |                        |                            |
|------------------------|----------------------------|
| 1. USB Port            | 4. 4x GE RJ45 Switch Ports |
| 2. Console Port        | 5. Internal 3G4G Modem     |
| 3. 1x GE RJ45 WAN Port |                            |

### Install in Minutes with FortiExplorer

The FortiExplorer wizard enables easy setup and configuration coupled with easy-to-follow instructions. FortiExplorer runs on popular iOS devices. Using FortiExplorer is as simple as starting the application and connecting to the appropriate USB port on the FortiGate. By using FortiExplorer, you can be up and running and protected in minutes.

### 3G/4G WAN Extensions

The FortiGate 30E-3G4G includes built-in 3G/4G modem that allows additional WAN connectivity or a redundant link for maximum reliability.

### Compact and Reliable Form Factor

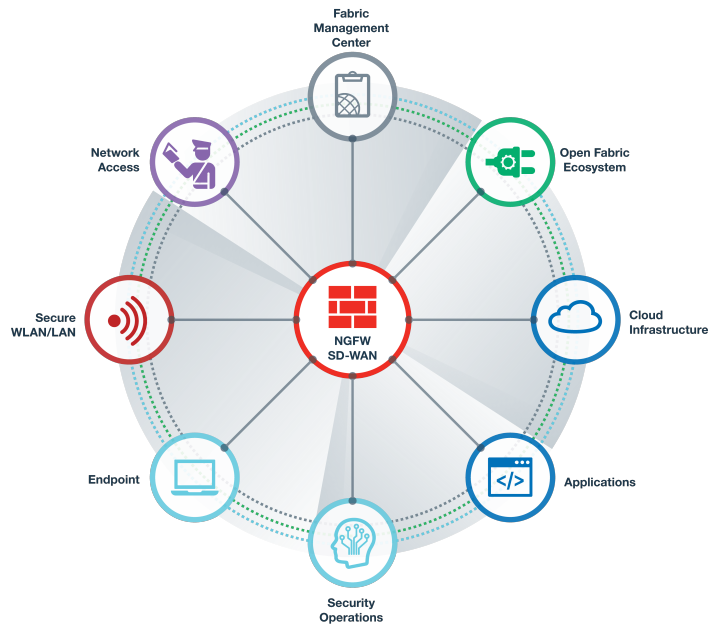
Designed for small environments, you can simply place the FortiGate 30E-3G4G on a desktop. It is small, lightweight yet highly reliable with superior MTBF (Mean Time Between Failure), minimizing the chance of a network disruption.

# Fortinet Security Fabric

## Security Fabric

The Security Fabric 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 ICSCA validated security and performance.
- Leverage the latest technologies such as deception-based 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.

- 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.



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 30E-3G4G		FORTIGATE 30E-3G4G	
<b>Hardware Specifications</b>			
GE RJ45 Switch Ports	4		
GE RJ45 WAN Port	1		
USB Port	1		
Console (RJ45)	1		
SIM Slot (Micro SIM)	1		
Wireless Interface	–		
<b>System Performance</b>			
Firewall Throughput	950 Mbps		
Firewall Latency (64 byte UDP packets)	130 µs		
Firewall Throughput (Packets Per Second)	180 Kpps		
Concurrent Sessions (TCP)	900,000		
New Sessions/Second (TCP)	15,000		
Firewall Policies	5,000		
IPsec VPN Throughput (512 byte) <sup>1</sup>	75 Mbps		
Gateway-to-Gateway IPsec VPN Tunnels	200		
Client-to-Gateway IPsec VPN Tunnels	250		
SSL-VPN Throughput	35 Mbps		
Concurrent SSL-VPN Users (Recommended Maximum, Tunnel Mode)	100		
SSL Inspection Throughput (IPS, HTTP) <sup>3</sup>	160 Mbps		
Application Control Throughput (HTTP 64K) <sup>2</sup>	400 Mbps		
CAPWAP Throughput (HTTP 64K)	850 Mbps		
Virtual Domains (Default / Maximum)	5 / 5		
Maximum Number of FortiSwitches Supported	8		
Maximum Number of FortiAPs (Total / Tunnel Mode)	2 / 1		
Maximum Number of FortiTokens	500		
High Availability Configurations	Active/Active, Active/Passive, Clustering		
<b>System Performance — Optimal Traffic Mix</b>			
IPS Throughput <sup>2</sup>	600 Mbps		
<b>System Performance — Enterprise Traffic Mix</b>			
IPS Throughput <sup>2</sup>	300 Mbps		
NGFW Throughput <sup>2,4</sup>	200 Mbps		
Threat Protection Throughput <sup>2,5</sup>	150 Mbps		
<b>Dimensions</b>			
Height x Width x Length (inches)	1.44 x 5.5 x 8.52		
Height x Width x Length (mm)	36.5 x 140 x 216		
Weight	1.982 lbs (0.899 kg)		
Form Factor	Desktop		
<b>Environment</b>			
Input Rating	12Vdc, 2.5A		
Power Required	Powered by External DC Power Adapter, 100–240V AC, 50–60 Hz		
Maximum Current	110 V / 0.55 A, 220 V / 0.47 A		
Power Consumption (Average / Maximum)	16.1 / 19.3 W		
Heat Dissipation	66 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, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB		
<b>Certifications</b>			
ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN			
<b>FG-30E-3G4G-GBL</b>			
<b>Regional Compatibility</b>			
All Regions			
Modem Model	Sierra Wireless EM7565 (1 SIM Slot)		
LTE	B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B30, B32, B41, B42, B43, B46, B48, B66		
UMTS/HSPA+	B1, B2, B3, B4, B5, B6, B8, B9, B19		
WCDMA	–		
CDMA 1xRTT/EV-DO Rev A	–		
GSM/GPRS/EDGE	–		
Module Certifications	CE, FCC, GCF, IC, JRF/JPA, NCC, PTCRB		
Diversity	Yes		
MIMO	Yes		
GNSS Bias	Yes		

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 30E-3G4G-GBL	FG-30E-3G4G-GBL	5x GE RJ45 ports (including 1x WAN port, 4x Switch ports) with Embedded 3G/4G/LTE wireless WAN module (Global LTE – EM7565), 2 external SMA WWAN antennas included.

## 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