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## FORTINET FG-201E-BDL-950-36

# Fortinet FortiGate-201E User Manual

Model: FG-201E-BDL-950-36

## 1. PRODUCT OVERVIEW

The Fortinet FortiGate-201E is a high-performance next-generation firewall designed for mid-sized to large enterprises. It offers robust protection against cyber threats, leveraging security processor-powered high performance, security efficacy, and deep visibility. This device is flexible for deployment at campus or enterprise branch locations, providing comprehensive unified threat management (UTM) capabilities.

This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your FortiGate-201E device.

### Key Features

- Next-generation firewall capabilities for advanced threat protection.
- Integrated FortiCare and FortiGuard Unified (UTM) Protection.
- High-performance security processing for fast throughput.
- Suitable for mid-sized to large enterprise deployments.
- Deep visibility into network traffic for enhanced security.

### Product Views

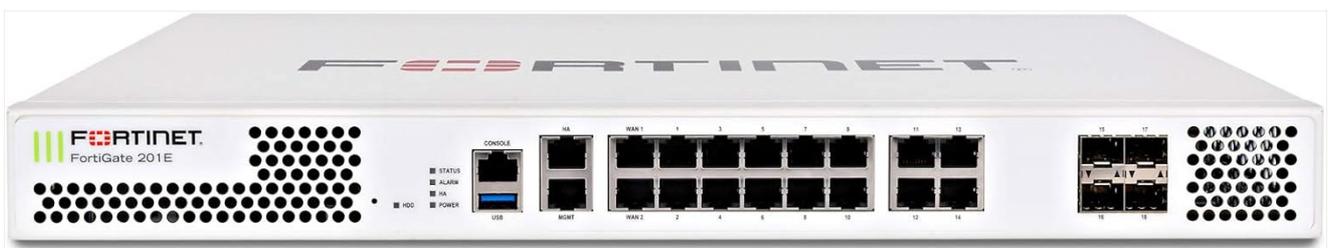


Figure 1: Front view of the Fortinet FortiGate-201E, showing the Fortinet logo, model name, status indicators, console port, USB port, and multiple Ethernet ports (WAN, HA, and numbered ports 1-16).



Figure 2: Angled view of the Fortinet FortiGate-201E, providing a perspective of the device's depth and port layout.



Figure 3: Rear view of the Fortinet FortiGate-201E, showing cooling fans, product information labels, DC input for remote power supply, and the AC power inlet.

## 2. SETUP GUIDE

### 2.1 Unpacking and Inspection

Carefully unpack the FortiGate-201E device and all accessories from the shipping carton. Inspect the contents for any signs of damage. If any items are missing or damaged, contact your Fortinet reseller immediately.

- FortiGate-201E appliance
- Power cord
- Rack-mount kit (if included)
- Documentation (Quick Start Guide, Warranty Card)

### 2.2 Rack Installation (Optional)

The FortiGate-201E can be installed in a standard 19-inch equipment rack. Use the provided rack-mount kit and follow these steps:

1. Attach the rack-mount ears to the sides of the FortiGate unit using the screws provided.
2. Secure the FortiGate unit into the rack using appropriate rack screws.
3. Ensure adequate airflow around the unit for proper cooling.

### 2.3 Connecting Power

Connect the provided power cord to the AC power inlet on the rear of the FortiGate-201E and then to a grounded electrical outlet. The device will power on automatically.

### 2.4 Initial Network Connection

For initial configuration, connect a computer to one of the FortiGate's internal network ports (e.g., port 1) or the dedicated management port (if available) using an Ethernet cable. Alternatively, use the console port for command-line interface (CLI) access.

## 3. OPERATING INSTRUCTIONS

## 3.1 Accessing the Web-Based Manager

Once connected to the FortiGate, open a web browser and navigate to the default IP address (e.g., <https://192.168.1.99>). Log in using the default username "admin" and no password (leave blank). You will be prompted to create a new password upon first login.

## 3.2 Basic Configuration Steps

1. **Network Interface Configuration:** Configure WAN and internal network interfaces with appropriate IP addresses and network settings.
2. **Security Policies:** Create firewall policies to control traffic flow between interfaces and enable security profiles (e.g., Antivirus, Web Filtering, IPS).
3. **Firmware Updates:** Regularly check for and apply the latest firmware updates to ensure optimal performance and security.
4. **User Management:** Create and manage user accounts for administrative access and network authentication.

## 3.3 FortiGuard Unified Threat Management (UTM) Protection

The FortiGate-201E comes with 3 years of 24x7 FortiCare and FortiGuard UTM Protection. This suite includes:

- **Antivirus:** Protects against malware, viruses, and other malicious software.
- **Intrusion Prevention System (IPS):** Detects and prevents network intrusions and exploits.
- **Web Filtering:** Controls access to inappropriate or malicious websites.
- **Application Control:** Identifies and controls applications running on your network.
- **Spam Filtering:** Filters unwanted email (spam).
- **Vulnerability Scan:** Identifies vulnerabilities in your network.

### FortiGuard Subscription Options

Here is a brief overview of the FortiGuard subscription feeds available for your organizations:

#### Next-Generation Application Control and IPS

Application control and intrusion prevention (IPS) are foundational security technologies for a Next-Generation Firewall like FortiGate. FortiGuard IPS blocks approximately 470,000 network intrusions, and new IPS signatures are being created and uploaded to deployed devices every single day.



#### Web Filtering

On any given day, FortiGuard Labs processes nearly 50 million URL categorization requests and blocks over 160,000 malicious websites. The FortiGuard Web Filtering service rates over 250 million websites and delivers nearly 1.5 million new URL ratings every week. Websites are categorized into six major categories for fast control, and nearly 80 micro-categories for fine-tuned control.



#### Antivirus

FortiGuard Labs has identified and neutralized nearly 100,000 malware programs targeting traditional, mobile, and IoT platforms. Patented technologies such as the Fortinet Content Pattern Recognition Language (CPRL) enable FortiGuard antivirus to identify thousands of current and future malware variants with a single signature – optimizing your deployment's security effectiveness and performance.



#### Web Application Security Service

The FortiWeb Security subscription service provides fully automated updates to protect your sensitive data and content from the latest application-layer threats. FortiGuard Labs provides updates on the latest advanced application vulnerabilities, bots, suspicious URL patterns, data-type patterns, and heuristic detection engines to enable FortiWeb Security-enabled appliances to prevent both new and evolving-application threats from gaining access to your web applications.



#### Antispam

#### Vulnerability Scan



Figure 4: Overview of FortiGuard subscription services, detailing capabilities such as Next-Generation Application Control and IPS, Web Filtering, Antivirus, Web Application Security Service, Antispam, Vulnerability Scan, Botnet IP and Domain Reputation, Database Security Control, Mobile Security Service, and Advanced Threat Protection (FortiSandbox Cloud).

## 4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your FortiGate-201E device.

- **Firmware Updates:** Keep the device firmware updated to the latest stable version. This provides new features, bug fixes, and security enhancements.
- **Configuration Backups:** Regularly back up your FortiGate configuration. This is crucial for quick recovery in case of system failure or misconfiguration.
- **System Monitoring:** Monitor system logs, resource utilization (CPU, memory), and network traffic to identify potential issues early.
- **Physical Inspection:** Periodically inspect the device for dust accumulation, especially around ventilation areas. Ensure proper airflow and clean vents if necessary.

- **Security Profile Updates:** Ensure FortiGuard security profiles (antivirus, IPS, web filtering, etc.) are updated automatically and regularly.

## 5. TROUBLESHOOTING

### 5.1 Common Issues and Solutions

Issue	Possible Cause	Solution
Device not powering on	Power cable disconnected, power outlet issue, faulty power supply.	Check power cable connection. Try a different power outlet. Contact support if issue persists.
Cannot access web-based manager	Incorrect IP address, network connectivity issue, firewall blocking access.	Verify IP address. Check network cable. Temporarily disable client firewall. Try console access.
No internet access through FortiGate	Incorrect WAN configuration, missing firewall policy, DNS issues.	Verify WAN settings. Ensure a policy allows traffic from internal to WAN. Check DNS settings.
Slow network performance	High CPU/memory usage, misconfigured security profiles, network congestion.	Monitor system resources. Review security policies. Check network for bottlenecks.

### 5.2 Resetting to Factory Defaults

If you encounter persistent issues or forget the administrative password, you may need to reset the FortiGate to its factory default settings. This will erase all configurations. Refer to the Fortinet documentation for the specific procedure for your model, typically involving the console port and a specific command or button sequence.

## 6. SPECIFICATIONS

Attribute	Value
Model Number	FG-201E-BDL-950-36
Brand	FORTINET
Product Dimensions	11.85 x 17.01 x 1.73 inches
Item Weight	12.13 pounds (5.5 kg)
Manufacturer	FORTINET
Date First Available	February 9, 2017
Model Name	Fortinet 9426174
Special Feature	WPS
Frequency Band Class	Dual-Band
Compatible Devices	Laptop
Recommended Uses	Home (Note: Typically for enterprise, but listed as 'Home' in specs)

Attribute	Value
Connectivity Technology	USB, wired, wireless
Security Protocol	WPS
Number of Ports	8 (Note: Front image shows more, this might refer to specific type or base ports)

*Note: Some specifications like "Recommended Uses: Home" and "Number of Ports: 8" might be general Amazon catalog entries and may not fully reflect the enterprise nature or full port count of the FortiGate-201E. Refer to official Fortinet documentation for complete and precise specifications.*

## 7. WARRANTY AND SUPPORT

### 7.1 Product Warranty

The Fortinet FortiGate-201E typically comes with a standard hardware warranty. This specific bundle includes 3 years of 24x7 FortiCare and FortiGuard Unified (UTM) Protection, which provides comprehensive support and security updates. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Fortinet website.

### 7.2 Technical Support

For technical assistance, product registration, and access to the latest documentation and software downloads, please visit the Fortinet Support website. You will need your product serial number for registration and support inquiries.

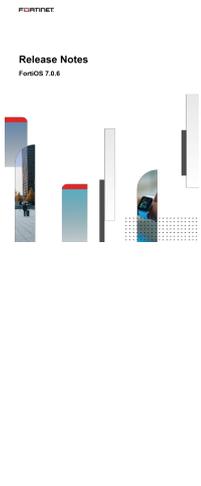
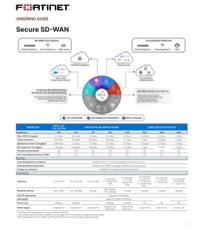
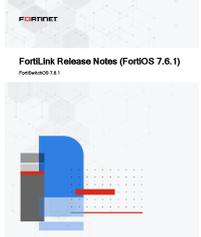
- **Fortinet Support Portal:** <https://support.fortinet.com>
- **Fortinet Documentation:** <https://docs.fortinet.com>

Ensure you have your product's serial number and proof of purchase ready when contacting support.

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This manual is for informational purposes only. Specifications are subject to change without notice.

**Related Documents - FG-201E-BDL-950-36**

 <p>Fortinet Release Notes FortiOS 7.0.6</p>	<p><a href="#">FortiOS 7.0.6 Release Notes - Fortinet</a></p> <p>Comprehensive release notes for Fortinet FortiOS 7.0.6, detailing new features, resolved issues, known issues, and upgrade procedures for FortiGate network security devices.</p>
 <p>Fortinet FortiOS - Release Notes FortiOS 6.4.3</p>	<p><a href="#">FortiOS 6.4.3 Release Notes</a></p> <p>Official release notes for FortiOS version 6.4.3, detailing new features, enhancements, resolved issues, and known issues for Fortinet's network security operating system. Includes supported models and upgrade information.</p>
 <p>Fortinet AWS Administration Guide FortiOS 7.6</p>	<p><a href="#">FortiOS 7.6 AWS Administration Guide for Fortinet FortiGate-VM</a></p> <p>Comprehensive guide to deploying and managing Fortinet FortiGate-VM instances on Amazon Web Services (AWS) with FortiOS 7.6, covering single deployments, HA, auto-scaling, and AWS service integration.</p>
 <p>Fortinet Secure SD-WAN Ordering Guide</p>	<p><a href="#">Fortinet Secure SD-WAN Ordering Guide: Models, Bundles, and Specifications</a></p> <p>This guide provides comprehensive ordering information for Fortinet's Secure SD-WAN solutions, detailing appliance models, performance specifications, bundle options, cloud integration, and management platforms for enterprise networks.</p>
 <p>Fortinet FortiLink Release Notes (FortiOS 7.6.1) FortiSwitchOS 7.6.1</p>	<p><a href="#">FortiSwitchOS 7.6.1 FortiLink Release Notes</a></p> <p>This document provides release notes for FortiSwitchOS 7.6.1, detailing new features, improvements, resolved issues, and known issues related to FortiLink integration with FortiOS 7.6.1.</p>
 <p>Fortinet Release Notes FortiOS 7.4.2</p>	<p><a href="#">FortiOS 7.4.2 Release Notes - Fortinet</a></p> <p>Official release notes for FortiOS 7.4.2 by Fortinet, detailing new features, enhancements, resolved issues, and known issues for Fortinet's network security operating system.</p>



