

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› **FORTINET** /

› **Fortinet FortiGate 61F Firewall Security Appliance User Manual**

## FORTINET FG-61F-BDL-950-36

# Fortinet FortiGate 61F Firewall Security Appliance User Manual

## INTRODUCTION

---

This manual provides essential information for the installation, configuration, operation, and maintenance of your Fortinet FortiGate 61F Firewall Security Appliance. The FortiGate 61F is designed to deliver robust security and SD-WAN capabilities for enterprise branch offices and mid-sized businesses, protecting against cyber threats with industry-leading performance.

Please read this manual thoroughly before operating the device to ensure proper setup and optimal performance.

## PACKAGE CONTENTS

---

Verify that all items are present in your package:

- FortiGate 61F hardware unit
- 36-month Unified Threat Protection (UTP) license
- FortiCare support
- FortiGuard Unified Protection
- FortiGuard IPS Service
- FortiGuard Anti-Malware Protection (AMP)
- FortiGuard Web Security
- FortiGuard Anti-Spam
- FortiCare Premium Hardware and Software Support
- Power Adapter (not explicitly listed but implied for hardware)
- Ethernet Cable (not explicitly listed but implied for networking)

## HARDWARE OVERVIEW

---

Familiarize yourself with the physical components and ports of your FortiGate 61F device.

## Front and Rear Panels

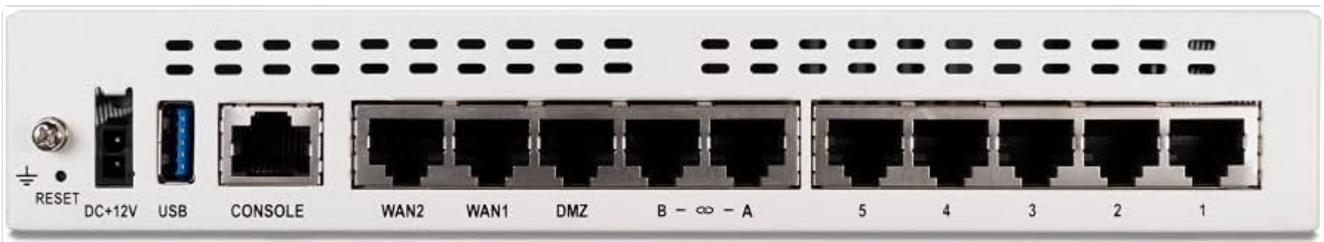
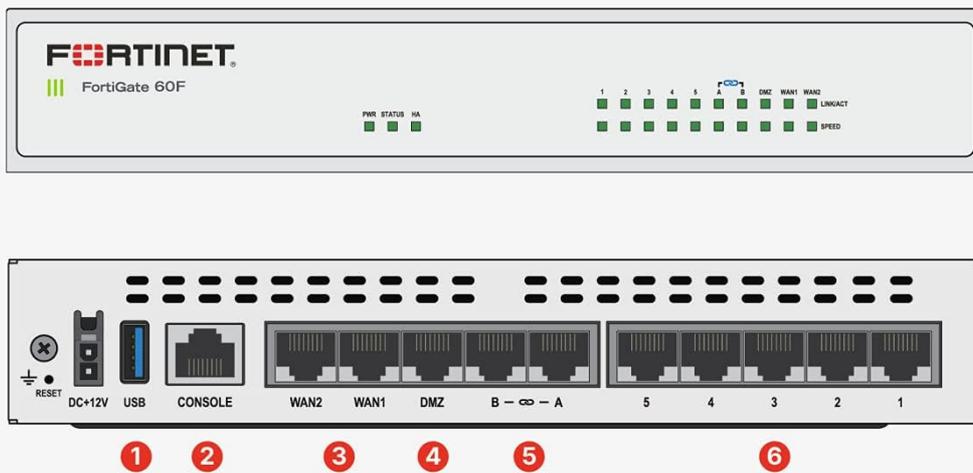


Figure 1: Rear Panel of FortiGate 61F. This image displays the rear view of the FortiGate 61F, highlighting the power input, USB port, console port, and multiple Ethernet ports labeled WAN, DMZ, and internal ports.



### Interfaces

1. 1x USB Port
2. 1x Console Port
3. 2x GE RJ45 WAN Ports
4. 1x GE RJ45 DMZ Port
5. 2x GE RJ45 FortiLink Ports
6. 5x GE RJ45 Internal Ports

### Hardware Features



**FORTINET**

Figure 2: FortiGate 60F Interfaces Diagram. This diagram illustrates the various ports and their functions on the FortiGate 60F/61F series, including USB, Console, WAN, DMZ, FortiLink, and internal LAN ports.

## Interface Descriptions (Refer to Figure 2)

1. **1x USB Port:** Used for connecting external storage or other USB devices.
2. **1x Console Port:** RJ45 serial port for direct command-line interface (CLI) access for initial configuration and troubleshooting.

3. **2x GE RJ45 WAN Ports (WAN1, WAN2):** Gigabit Ethernet ports for connecting to external networks or Internet service providers.
4. **1x GE RJ45 DMZ Port:** Gigabit Ethernet port for connecting to a Demilitarized Zone, typically for public-facing servers.
5. **2x GE RJ45 FortiLink Ports:** Gigabit Ethernet ports for connecting FortiSwitch devices, enabling unified management.
6. **5x GE RJ45 Internal Ports:** Gigabit Ethernet ports for connecting internal network devices (LAN).
7. **DC+12V Power Input:** Connects to the included power adapter.
8. **Reset Button:** Used to restore the device to factory default settings.

## SETUP

---

Follow these steps to set up your FortiGate 61F appliance:

1. **Unpack the Device:** Carefully remove the FortiGate 61F from its packaging and ensure all components listed in the "Package Contents" section are present.
2. **Physical Placement:** Place the device on a stable, flat surface in a well-ventilated area. Ensure adequate space around the unit for proper airflow.
3. **Connect Power:** Connect the power adapter to the DC+12V input on the rear panel of the FortiGate unit, then plug the adapter into a power outlet. The device will power on automatically.
4. **Connect Network Cables:**
  - Connect your Internet Service Provider's (ISP) modem or router to one of the **WAN** ports (e.g., WAN1).
  - Connect your internal network switch or a computer directly to one of the **Internal** ports (e.g., port 1).
5. **Initial Configuration Access:**
  - **Web-based Manager:** Open a web browser on a computer connected to an internal port and navigate to the default IP address (typically 192.168.1.99). Log in with the default username (admin) and no password. You will be prompted to create a new password.
  - **CLI Console:** For advanced users, connect a serial cable from your computer to the **Console** port. Use a terminal emulator (e.g., PuTTY) with settings: 9600 baud, 8 data bits, no parity, 1 stop bit, no flow control.
6. **Basic Configuration:** Follow the on-screen wizard or CLI prompts to configure basic network settings, including WAN interface settings (DHCP, Static IP, PPPoE), internal network settings, and administrative passwords.

## OPERATING INSTRUCTIONS

---

Once the FortiGate 61F is set up, you can manage its operations through the web-based manager or CLI.

### Web-based Manager

- **Dashboard:** Provides an overview of system status, network activity, and security events.
- **Network:** Configure interfaces, routing, DNS, and DHCP settings.
- **Policy & Objects:** Create firewall policies, define addresses, services, and schedules to control network traffic.
- **Security Profiles:** Enable and configure security features such as Antivirus, Web Filtering, Application Control, IPS, and Anti-Spam.

- **VPN:** Set up IPsec or SSL VPNs for secure remote access or site-to-site connectivity.
- **System:** Manage administrators, firmware, logging, and system settings.

## Key Security Features

- **Unified Threat Protection (UTP):** Leverages FortiGuard services for comprehensive protection against various cyber threats.
- **Secure SD-WAN:** Optimizes WAN performance and provides secure, direct internet access for branch offices.
- **Application Control:** Identifies and controls thousands of applications for granular policy enforcement.
- **Intrusion Prevention System (IPS):** Protects against known and unknown attacks.
- **Web Filtering:** Blocks access to malicious or inappropriate websites.

## MAINTENANCE

---

Regular maintenance ensures the continued security and optimal performance of your FortiGate 61F.

- **Firmware Updates:** Periodically check for and apply the latest firmware updates from the Fortinet support portal. Firmware updates often include security patches and new features.
- **Configuration Backups:** Regularly back up your device configuration. This allows for quick restoration in case of a system failure or misconfiguration.
- **Monitor Logs:** Review system logs and security event logs regularly to identify potential issues or security incidents.
- **Physical Inspection:** Ensure the device is free from dust and that ventilation openings are not obstructed.
- **License Renewal:** Ensure your FortiGuard and FortiCare licenses are active and renewed to maintain full protection and support.

## TROUBLESHOOTING

---

This section addresses common issues you might encounter with your FortiGate 61F.

- **No Power:**
  - Ensure the power adapter is securely connected to both the device and a working power outlet.
  - Verify the power outlet is functional by plugging in another device.
- **Cannot Access Web-based Manager:**
  - Confirm your computer is connected to an internal LAN port of the FortiGate.
  - Check your computer's IP address to ensure it's in the same subnet as the FortiGate's internal interface (default: 192.168.1.99).
  - Try pinging the FortiGate's internal IP address (default: 192.168.1.99).
  - Clear your browser's cache or try a different browser.
- **No Internet Access:**
  - Verify the WAN cable is securely connected to your ISP's modem/router and the FortiGate's WAN port.
  - Check the status of the WAN interface in the FortiGate's web-based manager.
  - Ensure your ISP service is active.
  - Review firewall policies to ensure traffic from your internal network is allowed to the WAN.
- **Slow Network Performance:**

- Check the FortiGate's resource utilization (CPU, memory) from the dashboard.
- Review traffic logs for any unusual activity or high bandwidth consumption.
- Ensure all network cables are in good condition and properly connected.

For more advanced troubleshooting, consult the Fortinet documentation or contact Fortinet support.

## SPECIFICATIONS

Key technical specifications for the Fortinet FortiGate 61F:

Feature	Detail
Product Dimensions	6 x 9 x 2 inches
Item Weight	2 pounds
Model Number	FG-61F-BDL-950-36
Brand	FORTINET
Manufacturer	Fortinet
Connectivity Technology	Wired
Recommended Uses	Security
Included Components	FortiGate 61F hardware, 36-month UTP, FortiCare support, FortiGuard Unified Protection, FortiGuard IPS Service, FortiGuard Anti-Malware Protection (AMP), FortiGuard Web Security, FortiGuard Anti-Spam, and FortiCare Premium Hardware and Software Support
First Available Date	November 6, 2019

## WARRANTY AND SUPPORT

Your FortiGate 61F includes a 36-month Unified Threat Protection (UTP) bundle, which typically covers FortiGuard services and FortiCare Premium Hardware and Software Support.

For detailed warranty information, service agreements, and technical support, please refer to the official Fortinet website or contact your authorized Fortinet reseller. Ensure you have your product serial number available when contacting support.

**Fortinet Support Website:** <https://support.fortinet.com>