

FORTINET FG-30G

Fortinet FortiGate-30G Firewall User Manual

Model: FG-30G

1. INTRODUCTION

The Fortinet FortiGate-30G is a compact, fanless network firewall designed for small businesses and distributed offices. It integrates firewalling, SD-WAN, and a wireless controller into a single appliance. Powered by Fortinet's secure processor, it delivers high performance and energy efficiency, offering automated and coordinated end-to-end protection across networks, users, and connected devices. The device features a user-friendly management console for centralized control and visibility, supporting zero-touch deployment for optimized onboarding.

2. KEY FEATURES

- **Integrated Security:** Combines firewalling, SD-WAN, and a Wi-Fi controller in one appliance, reducing WLAN management complexity.
- **High Performance:** Built on a patented secure processor, offering 800 Mbps IPS and 500 Mbps threat protection.
- **User-Friendly Management:** Centralized control and simplified policy enforcement via an intuitive management console.
- **Compact Design:** Fanless design with 4 GE RJ45 ports (1 WAN, 3 internal) for essential connectivity in small environments.
- **Trusted Security:** Backed by FortiGuard Labs, recognized as a firewall leader for 13 consecutive years by Gartner.
- **Zero-Touch Deployment:** Simplifies and optimizes the device onboarding experience.

3. SETUP GUIDE

This section provides general guidelines for setting up your FortiGate-30G firewall. For detailed configuration, refer to the official Fortinet documentation.

3.1. Package Contents

Verify that your package contains the following items:

- FortiGate-30G Appliance
- Power Adapter
- Ethernet Cable
- CD (containing documentation and software)

3.2. Physical Installation

1. **Choose a Location:** Select a stable, dry, and well-ventilated location. Ensure adequate space for cable connections and airflow.
2. **Connect Power:** Connect the power adapter to the DC+12V port on the back of the FortiGate-30G and then to a power outlet.
3. **Connect Network Cables:**
 - Connect your internet service provider's modem/router to the **WAN** port using an Ethernet cable.
 - Connect your internal network devices (e.g., switches, computers) to the **internal ports (1, 2, 3)**.
4. **Initial Access (Console):** For initial configuration or troubleshooting, connect a console cable from your management computer to the **CONSOLE** port on the FortiGate-30G.

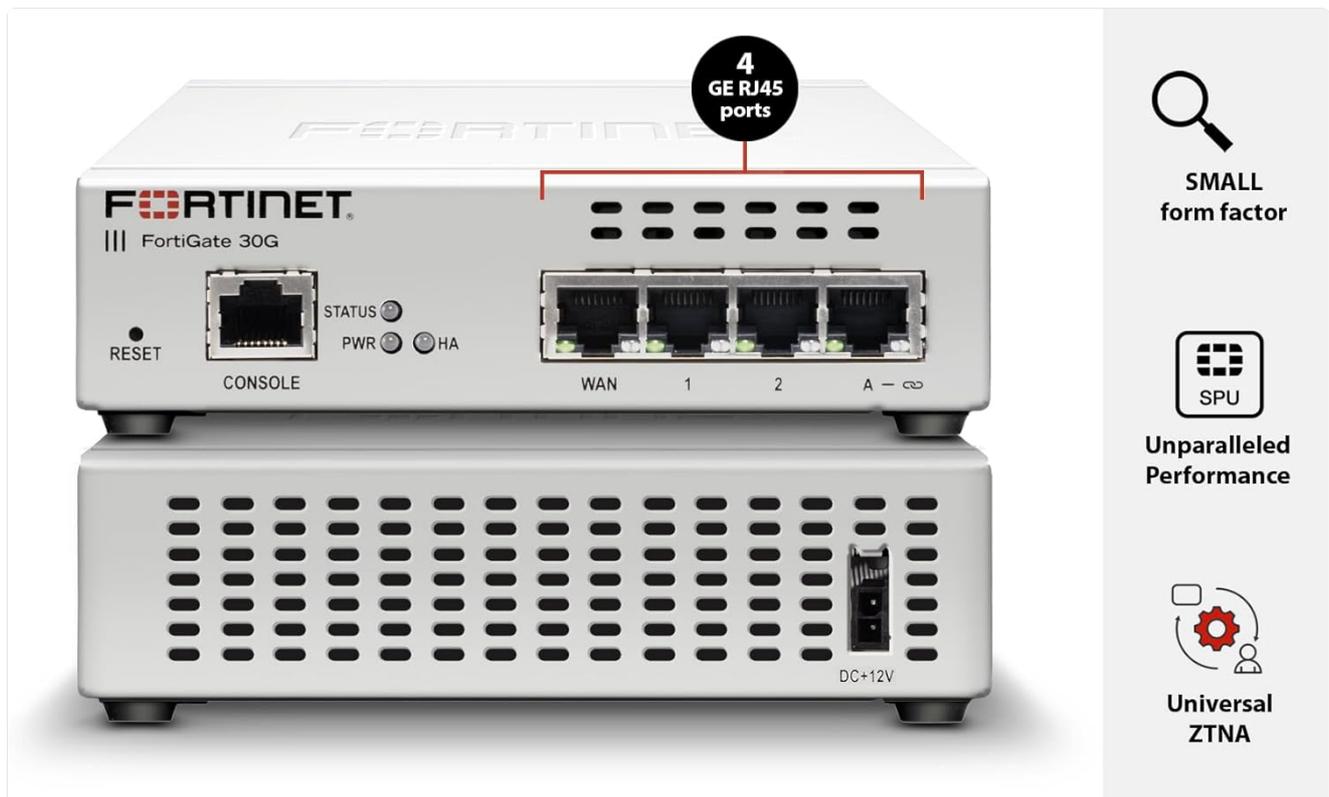


Figure 1: Front view of the FortiGate-30G showing WAN, internal ports, console, and USB ports.

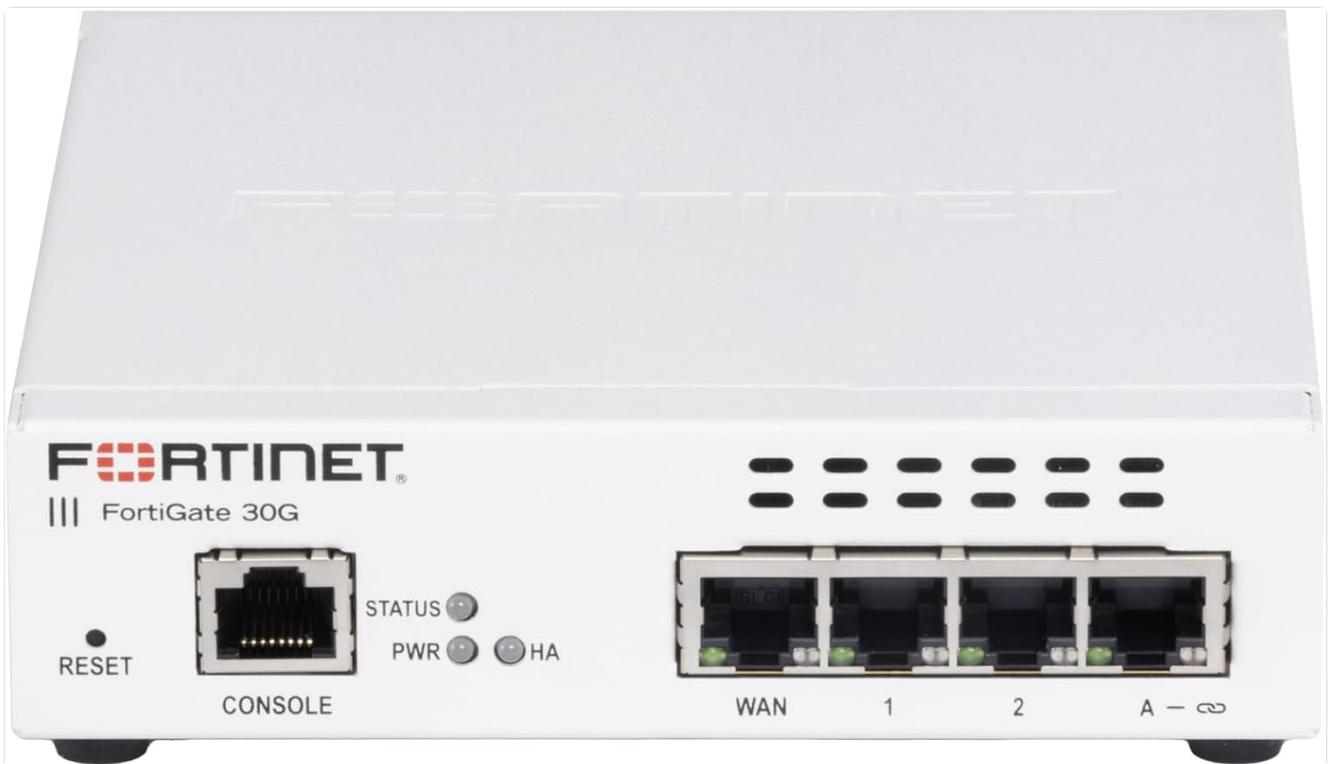


Figure 2: Top-down view of the FortiGate-30G, highlighting its compact design.



Figure 3: Rear view of the FortiGate-30G, showing the DC+12V power input.

3.3. Initial Configuration

Upon powering on, the device will perform a self-test. Once the system is stable, you can access the management console via a web browser or the console port for initial configuration. Follow the on-screen prompts or refer to the detailed FortiGate documentation for specific steps on setting up network interfaces, security policies, and user accounts.

4. OPERATING INSTRUCTIONS

The FortiGate-30G operates using FortiOS, a comprehensive security operating system. Key operational aspects include:

- **Dashboard:** The main dashboard provides an overview of system status, network activity, and security events.
- **Network Configuration:** Configure WAN and internal interfaces, VLANs, and routing.

- **Security Policies:** Define firewall rules, intrusion prevention (IPS), web filtering, and application control to protect your network.
- **SD-WAN:** Utilize SD-WAN features for optimized multi-WAN connectivity and application performance.
- **Wireless Controller:** Manage connected FortiAP wireless access points for integrated WLAN security.
- **VPN:** Set up Virtual Private Networks (VPNs) for secure remote access or site-to-site connectivity.
- **Logging & Reporting:** Monitor logs and generate reports to track network activity and security incidents.

Regularly consult the FortiGate documentation for detailed instructions on specific features and configurations.

5. MAINTENANCE

To ensure optimal performance and security of your FortiGate-30G, regular maintenance is recommended:

- **Firmware Updates:** Keep the FortiOS firmware updated to the latest stable version to benefit from new features, performance improvements, and security patches.
- **Security Updates:** Ensure FortiGuard services (e.g., antivirus, IPS, web filtering) are active and updated to protect against the latest threats.
- **Configuration Backups:** Regularly back up your device configuration to a secure location. This allows for quick recovery in case of unexpected issues.
- **Physical Inspection:** Periodically check the device for dust accumulation, especially in ventilation areas. Ensure all cables are securely connected.
- **Log Review:** Regularly review system logs and security reports for any unusual activity or potential issues.

6. TROUBLESHOOTING

If you encounter issues with your FortiGate-30G, consider the following basic troubleshooting steps:

- **Power Check:** Ensure the device is powered on and the PWR LED is illuminated.
- **Cable Connections:** Verify all Ethernet cables are properly connected to their respective ports (WAN, internal, console).
- **LED Indicators:** Consult the device's LED indicators (PWR, STATUS, HA, WAN, internal ports) for diagnostic information. Refer to the official documentation for LED status meanings.
- **Network Connectivity:** Check if your internet service is active and if connected devices can obtain IP addresses from the FortiGate.
- **Configuration Review:** Access the management console to review your network and security configurations for any misconfigurations.
- **Restart Device:** As a first step for many issues, try restarting the FortiGate-30G.
- **Reset to Factory Defaults:** If all else fails and you have a backup of your configuration, you may consider resetting the device to factory defaults using the **RESET** button. *Warning: This will erase all configurations.*

For advanced troubleshooting, refer to the Fortinet support website or contact technical support.

7. SPECIFICATIONS

Feature	Detail
Model Name	FG-30G
Brand	FORTINET
Package Dimensions	12.32 x 8.43 x 2.8 inches
Item Weight	3 pounds
Connectivity Technology	Ethernet, Wi-Fi
Ports	4 Gigabit Ethernet RJ45 ports (1 WAN, 3 internal)
Special Feature	Remote Access
Frequency Band Class	Single-Band
Wireless Communication Standard	802.11 ax
Compatible Devices	Laptop, Personal Computer, Smartphone, Tablet
Recommended Uses	Business
Included Components	CD
Manufacturer	Fortinet
First Available	October 1, 2024



Height x Width x Length: 1.6 x 5.6 x 6.3 inches

Weight: 1.3 pounds

Figure 4: Detailed performance specifications for the FortiGate-30G.

8. PRODUCT VIDEOS

Below are official product videos that provide additional information about Fortinet firewalls and their capabilities.

FortiGate 90G Firewalls - Unparalleled Security Performance

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This video introduces the FortiGate 90G series, highlighting its advanced security features and performance capabilities, including the FortiSP5 ASIC and its role in accelerating network and security functions. While focusing on the 90G, it provides relevant context for the FortiGate product line's core technologies.

9. WARRANTY AND SUPPORT

The Fortinet FortiGate-30G comes with standard manufacturer warranty. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official Fortinet website.

For technical support, product registration, and access to the latest documentation and software updates, please visit the [Fortinet Support Portal](#).

Additional protection plans may be available for purchase to extend coverage and support. Please check with your vendor for details.