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FORTINET FG-120G-BDL-809-36

FortiGate-120G Network Security Appliance User Manual

Model: FG-120G-BDL-809-36 | Brand: FORTINET

1. INTRODUCTION

The FortiGate-120G is a robust network security appliance designed for enterprise-grade security requirements. This manual provides essential information for setting up, operating, and maintaining your device, ensuring optimal performance and comprehensive protection against evolving network threats. Adhering to the instructions in this guide will help you maximize the security and efficiency of your network infrastructure.

2. PRODUCT OVERVIEW

The FortiGate-120G Network Security Appliance offers a comprehensive enterprise solution, bundling hardware with 3 years of FortiCare Premium and FortiGuard Enterprise Protection. This package integrates advanced services such as Cloud Access Security Broker (CASB), Data Loss Prevention (DLP), Internet of Things (IoT) detection, attack surface monitoring, and AI-based malware prevention for extensive security management. It features sophisticated security tools necessary for comprehensive monitoring and protection against evolving threats, making it ideal for larger enterprises requiring a multifaceted security approach to protect diverse and dynamic network architectures.



This image displays the front panel of the FortiGate-120G Network Security Appliance, showing its various ports and indicator lights. It illustrates the physical design of the device.

3. SETUP INSTRUCTIONS

Follow these steps for the initial setup of your FortiGate-120G appliance:

- 1. Unpack the Device:** Carefully remove the FortiGate-120G from its packaging. Verify that all components listed in the packing slip are present.

2. **Physical Placement:** Place the appliance in a well-ventilated area, away from direct sunlight and heat sources. Ensure adequate space for cable connections and airflow.
3. **Connect Power:** Connect the provided power adapter to the appliance's power input and then to a suitable electrical outlet. The power LED should illuminate.
4. **Network Connections:** Connect your Internet Service Provider's (ISP) cable to the designated WAN port. Connect your internal network switch or a management computer to one of the LAN ports using an Ethernet cable.
5. **Initial Configuration Access:** Power on the device. Once booted, access the FortiGate's web-based management interface from a connected computer by entering its default IP address (refer to the Quick Start Guide included with your product for the specific default IP).
6. **Complete Setup Wizard:** Follow the on-screen instructions of the initial setup wizard to configure basic network settings, administrator credentials, and initial security policies.

4. OPERATING INSTRUCTIONS

The FortiGate-120G operates on FortiOS, Fortinet's proprietary operating system, which provides a comprehensive suite of security and networking features. After initial setup, you can manage and monitor your device through its web-based interface or command-line interface (CLI).

4.1. Accessing the Management Interface

- Open a web browser and enter the FortiGate's IP address.
- Log in using your configured administrator username and password.

4.2. Key Operational Areas

- **Dashboard:** Provides an overview of system status, network activity, and security events.
- **Network:** Configure interfaces, routing, DNS, and other network settings.
- **Policy & Objects:** Define firewall policies, virtual IPs, and security profiles.
- **Security Fabric:** Integrate with other Fortinet products for a unified security posture.
- **System:** Manage administrators, firmware, backups, and system settings.

For detailed configuration guides and advanced features, refer to the official Fortinet FortiOS documentation available on the Fortinet support website.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your FortiGate-120G appliance:

- **Firmware Updates:** Periodically check for and apply the latest FortiOS firmware updates to benefit from new features, security patches, and performance improvements. Always back up your configuration before updating.
- **Configuration Backups:** Regularly back up your FortiGate configuration. This allows for quick restoration in case of unexpected issues or hardware replacement.
- **Physical Inspection:** Ensure the appliance's vents are clear of obstructions to prevent overheating. Check all cable connections for security.

- **Environmental Conditions:** Maintain the operating environment within specified temperature and humidity ranges to prevent hardware damage.
- **Log Monitoring:** Regularly review system logs and security event logs for any unusual activity or potential threats.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your FortiGate-120G:

6.1. No Power

- Verify the power cable is securely connected to both the appliance and the power outlet.
- Check if the power outlet is functional by plugging in another device.
- Ensure the power adapter is the correct one supplied with the device.

6.2. No Network Connectivity

- Check all Ethernet cables for secure connections and damage.
- Verify that the correct network ports are being used (e.g., WAN for internet, LAN for internal network).
- Confirm that the FortiGate's network interfaces are enabled and correctly configured in FortiOS.
- Check firewall policies to ensure traffic is allowed to pass through the device.

6.3. Slow Performance

- Monitor CPU and memory usage through the FortiGate dashboard. High utilization may indicate heavy traffic or resource-intensive policies.
- Review security profiles and policies for any configurations that might be causing performance bottlenecks.
- Ensure the firmware is up to date.

If issues persist, consult the Fortinet support documentation or contact Fortinet technical support.

7. SPECIFICATIONS

Product Dimensions	10 x 17 x 2 inches
Item Weight	13 pounds
Model Number	FG-120G-BDL-809-36
Brand	FORTINET
Operating System	FortiOS
Number of Ports	1
LAN Port Bandwidth	1000 Mbps
Connectivity Technology	Ethernet

Compatible Devices	Laptop, Personal Computer, Smartphone, Tablet
Frequency Band Class	Dual-Band
Antenna Type	Internal

8. WARRANTY AND SUPPORT

Your FortiGate-120G Network Security Appliance includes 3 years of FortiCare Premium and FortiGuard Enterprise Protection. This enhanced support service ensures expert assistance and maintenance, contributing to optimal performance and continuous security.

FortiCare Premium provides comprehensive support, including technical assistance, hardware replacement, and access to firmware updates. FortiGuard Enterprise Protection offers advanced threat intelligence and security services, such as antivirus, intrusion prevention, web filtering, and anti-spam.

For detailed warranty information, to register your product, or to access support resources, please visit the official FORTINET website or contact your authorized Fortinet reseller. Keep your product's serial number readily available when seeking support.