

Release Notes

FortiExtender 7.6.4



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FortiExtender 7.6.4 Release Notes

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Change log

Date	Change Description
2025-09-22	Initial release.
2025-09-29	Updated Resolved issues on page 11 .
2025-10-07	Updated New features or enhancements on page 7 .
2025-12-11	Updated New features or enhancements on page 7 . Added Common Vulnerabilities and Exposures on page 11 .
2026-02-19	Updated Known issues on page 12 .

Introduction

This document provides release information for FortiExtender 7.6.4, build 0441.

For more information about your FortiExtender device, refer to the FortiExtender [Admin Guide](#) (FGT-Managed) or [Admin Guide](#) (Standalone).

Supported hardware models

FortiExtender 7.6.4 supports the following hardware models:

FortiBranchSASE Model	Market
FortiBranchSASE-10F-WiFi	Global
FortiBranchSASE-20G	Global
FortiBranchSASE-20G-WiFi	Global

FortiExtender Model	Market
FortiExtender 211E	Global
FortiExtender 101F-AM	North America
FortiExtender 101F-EA	EMEA, Brazil, and some APAC carriers
FortiExtender 200F	Global
FortiExtender 201F-AM	North America
FortiExtender 201F-EA	EMEA, Brazil, and some APAC carriers
FortiExtender 202F-AM	North America
FortiExtender 202F-EA	EMEA, Brazil, and some APAC carriers
FortiExtender 212F	Global
FortiExtender 311F	Global
FortiExtender 511F	Global
FortiExtender 101G	Global
FortiExtender 211G	Global
FortiExtender-Ruggedized-511G	Global
FortiExtender 511G	Global

FortiExtender Model	Market
FortiExtender 511G-WiFi	Global

FortiExtender Vehicle Model	Market
FortiExtenderVehicle 211F	Global
FortiExtenderVehicle 211F-AM	North America
FortiExtenderVehicle 212F	Global
FortiExtenderVehicle 212F-AM	North America
FortiExtenderVehicle 511G	Global

For more information about FortiExtender OS and hardware compatibility, see the [FortiExtender OS & Hardware Platform Compatibility Matrix](#).



All built-in modems can be upgraded with compatible, wireless service provider-specific modem firmware.



FortiExtender 211E, 101F, 201F, 202F, 212F, 311F, 511F, and FortiExtenderVehicle 211F devices come with a Bluetooth button that activates the Bluetooth radio. The Bluetooth radio is turned off by default to prevent unauthorized access. When it is turned on, any nearby device can attempt to connect.

Fortinet recommends always securing your FortiExtender by setting a strong admin password and disabling Bluetooth when not in use. Only press the Bluetooth button when you are ready to pair a device. Do not leave a FortiExtender in pairing mode unattended.

New features or enhancements

FortiExtender 7.6.4 offers the following new features and enhancements:

- Support the following new models: FEV-511G, FEX-101G, and FEX-211G.
- FortiExtender G-series models support eSIM.
- Support configuring the LAN-Extension member VLAN ID (VID) in LAN-Extension mode (Managed, requires FOS 7.6.4+).
- When a LAN-Extension connection is established or broken, the LE-switch member ports power resets so that attached clients can obtain new IPs from the DHCP (Managed).
- Support accessing the FortiExtender API and GUI through an IPv6 address (Standalone).
- Support IPv6 in the following areas:
 - IPv6 on stateless address auto-configuration (SLAAC) (Standalone).
 - IPv4-IPv6 dual stacking on FortiExtender (Standalone).
 - Support IPv6 addresses in firewall policies (Standalone).
 - Support IPv6 DNS packet for the DNS proxy function. Users can configure static IPv6 addresses and automatically acquire dynamic IPv6 DNS addresses through SLAAC (Standalone).
 - Support IPv6 addressing (Standalone).
 - Support static IPv6 address and routing (Standalone).
- Support configuring the source IP for RADIUS server configuration (Standalone).
- Support for DNS category filtering through FortiExtender DNS filtering profiles (Standalone).
- FortiExtender WiFi models in LAN extension mode support captive portals and captive portal redirection (Standalone).
- Add a VWAN log category (Standalone).
- The FortiExtender firmware is now digitally signed using a SHA-256 signature.
- Support encrypting all password and key related configurations (Standalone).
- Support encrypting and decrypting the FortiExtender configuration file when backing up and restoring (Standalone).
- Add health check configurations in FortiExtender LAN-Extension profiles (Managed).

Special notices

- For FortiExtender 511F devices, the Telstra modem must connect to an LTE/5G network following the first attach request.
- For FortiExtender 511F devices, the Telstra modem requires that a PDN be set for each and every LTE data plan.
- Not all receivers can receive SMS notifications. Be sure to adjust the receiver sequence to ensure that the first receiver always gets SMS notifications.
- Upon reboot, FortiExtender will try to discover the FortiGate or FortiEdge Cloud that manages it, depending on your existing configuration. Because of this, there might be a short delay before the device reconnects to the FortiGate or FortiEdge Cloud.
- In order for FortiExtender to forward syslog messages to a remote syslog server, the syslog server and the FortiExtender LAN port must be part of the same subnet.
- FortiExtender and FortiGate share the same LTE IP in WAN-extension mode. To distinguish local services from FortiGate services, you must configure FortiExtender to use different ports. Otherwise, all traffic to these default services will be sent to FortiExtender locally instead of the FortiGate.
- To avoid a known Quectel RACH issue on FEX-511F, Fortinet has disabled T-Mobile 5G Band n41 (see [Known issues on page 12](#)).

Upgrade instructions

You can upgrade to the FortiExtender7.6.4 OS image from FortiExtender 7.0 or later.



FEX-211E, FEX-101F, FEX-201F, FEX-202F, FEX-212F, FEX-311F, FEX-511F, and FEV-211F devices may not be loaded with the latest modem firmware when shipped. To ensure their optimal performance, you **MUST** upgrade their modem firmware with the firmware package (preferably version 22.0.0 or later) specific to your wireless service provider before putting the devices into operation.

Firmware upgrade procedures

You can download and install the modem firmware upgrade package in its entirety using the FortiOS CLI, or the FortiExtender GUI or CLI.

To upgrade via the FortiExtender GUI:

1. Log into your FortiExtender.
 2. On the navigation bar on the left, click *Settings*.
 3. From the top of the page, select *Firmware*.
 4. Select *Extender Upgrade > Local*.
-



When connected to the internet, FortiExtender is able to pull the OS images and modem firmware directly from FortiEdge Cloud, irrespective of its deployment status.

Product integration and support

FortiOS-FortiExtender OS compatibility

FortiExtender 7.6.4 supports all FortiOS releases since FortiOS 6.2.0. For more information, see [FOS & FortiExtender OS Compatibility Matrix](#).

Modes of operation

FortiExtender 7.6.4 can be managed from FortiGate or FortiEdge Cloud, or locally independent of FortiGate or FortiEdge Cloud. When deployed in the Cloud, FortiExtender can be centrally managed from FortiEdge Cloud; when managed by FortiGate, the device searches for a nearby FortiGate to transition to Connected UTM mode; when managed locally, it functions as a router providing services to other devices. For more information, see [FortiEdge Cloud Admin Guide](#) and [FortiExtender \(managed\) 7.6.0 Admin Guide](#).

The table below describes FortiExtender's modes of operations in these scenarios.

Management scenario	Mode of operation	
	NAT	IP Pass-through
FortiGate	No	Yes
FortiEdge Cloud	Yes	Yes
Local	Yes	Yes

Supported Web browsers

FortiExtender 7.6.4 supports the latest versions of the following web browsers:

- Google Chrome
- Mozilla Firefox



Other web browsers may function as well, but have not been fully tested.

Resolved issues

The following issues have been resolved in FortiExtender 7.6.4. For inquiries about a particular bug, visit the [Fortinet Support](#) website.

Bug ID	Description
1182984	<p>FortiExtender sends RADIUS packets over VXLAN with the incorrect source IP, resulting in RADIUS authentication failure.</p> <p>To resolve, configure the source IP for RADIUS server configuration on the FortiExtender:</p> <pre>config user radius edit <name> set source-ip {ipv4-address} next end</pre>

Common Vulnerabilities and Exposures

Visit <https://www.fortiguard.com/psirt> for more information.

Bug ID	Description
1194557, 1194559	<p>FortiExtender 7.6.4 is no longer vulnerable to the following CVE Reference:</p> <ul style="list-style-type: none">• CVE-2025-64153

Known issues

The following known issues have been identified in FortiExtender 7.6.4. For inquiries about a particular bug, visit the [Fortinet Support](#) website.

Bug ID	Description
0720017	SMS notification is not supported on FortiExtender 511F, 311F, or 101F.
0952615	To avoid a known Quectel RACH issue on FEX-511F, Fortinet has disabled T-Mobile 5G Band n41.
1013515	Depending on the type of serial cable you use, the number of USB OBM connections may be limited on FEX-200F, 201E, 211E, 101F, 201F, 202F, 212F, 311F, and 511F models. When using a 1-16 USB-Serial adapter, those models can only detect 11 ports. When using a 1-4 USB hub with four 1-4 USB-Serial adapters, those models can detect 16 ports.
1186131	Due to a certificate naming mismatch, the following FortiExtender models have compatibility issues and cannot establish CAPWAP with FortiGate E-series: <ul style="list-style-type: none">• FEX-101G• FEX-211G• FEV-511G• FER-511G
1228910	A modem vendor issue prevents PAP username/password-based APN authentication from working with T-Mobile on FEX-101G and 211G models in Germany.



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