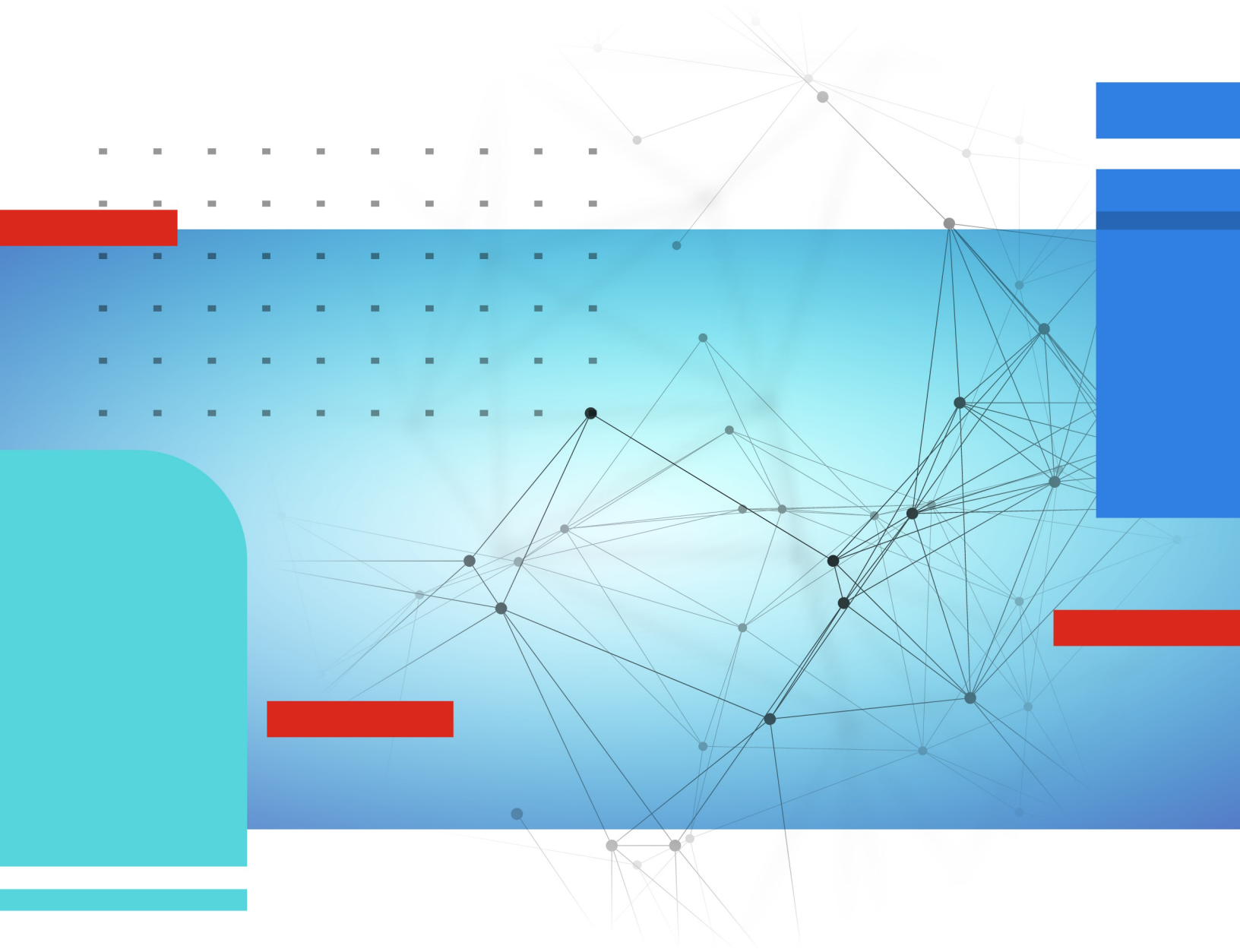
Release Notes

FortiExtender 7.4.7



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Aug 13, 2025
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Change log

Date	Change Description
2025-04-24	Initial release.
2025-06-25	Updated Known issues on page 12.
2025-06-30	Updated Special notes on page 8 and Known issues on page 12.
2025-08-13	Moved Bug 1110949 from Resolved issues on page 11 to Known issues on page 12.

Introduction

This Release Notes highlights the important information about the FortiExtender 7.4.7 (Build 0263) release. It covers the following topics:

What's new

FortiExtender 7.4.7 is a patch release only. No new features have been implemented in this release. For more information, see Resolved issues on page 11.

Supported hardware models

FortiExtender 7.4.7 supports the following hardware models:

Model	Market
FortiExtender 201E	North and South Americas, EMEA, and some APAC carriers
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
FortiExtenderVehicle 211F	Global
FortiExtenderVehicle 211F-AM	North America
FortiExtenderVehicle 212F	Global
FortiExtenderVehicle 212F-AM	North America

For more information about FortiExtender OS and hardware compatibility, see FortiExtender OS & Hardware Platform Compatibility Matrix.

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

FortiExtender 201E, 211E, 101F, 201F, 202F, 212F, 311F, 511F and FortiExtenderVehicle 211F devices come with a Bluetooth button, which is turned off by default. When it is turned on, anyone can access the devices via Bluetooth. To safeguard your network, we strongly recommend setting passwords for all your devices before deploying them in your environment.

Special notes

- 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 FortiExtender 7.4.7 OS image from FortiExtender 7.0 or later.
- FEX-201E, 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 (device) 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 7.4.7 supports all FortiOS releases since FortiOS 6.2.0. For more information, see FOS & FortiExtender OS Compatibility Matrix.

Modes of operation

FortiExtender 7.4.7 can be managed from FortiGate or FortiEdge Cloud, or locally independent of FortiGate or FortiEdge Cloud. When deployed in the Cloud, FortiExtendercan 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.

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

Supported Web browsers

FortiExtender 7.4.7 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 are the issues fixed in FortiExtender 7.4.7. For inquiries about a particular issue or to report an issue, please contact Fortinet Customer Service & Support.

Bug ID	Description
0949548	FortiExtender stops responding to SNMP monitoring after a few hours.
1043401	There is no LTE connection when using IP-Passthrough with a dedicated management VLAN on FEXTOS 7.4.4 and 7.4.5.
1056249	On FEX-200F, the GUI and SSH do not work after a reboot.
1084695	APNs were not set correctly on the default profile for North American carriers.
1084917	CAPWAP takes a very long time to establish when network discovery set to auto.
1106516	FEX-101F-AM models abruptly go offline and require a reboot to restore connectivity.
1131922	The FEX-511F modem status gets stuck on "`CONN_STATE_MDM_INIT`".
1134971	FortiExtender does not send the correct hostname to the syslog server.
1143496	The SSH server supports weak message authentication codes.

Known issues

The following are the known issues discovered in FortiExtender 7.4.7. For inquiries about a particular issue or to report an issue, please contact Fortinet Customer Service & Support.

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.
1110949	Read-only users are able to make system changes.

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