Release Notes

LCOS LX

5.38 Rel

Table of contents

1. Preface

The LANCOM family of operating systems—LCOS, LCOS SX, LCOS LX, and LCOS FX—forms the trusted basis for the entire LANCOM range of products. Within the scope of the hardware specified by the products, the latest firmware version is available for all LANCOM products and is offered by LANCOM Systems for download free of charge.

This document describes the innovations within LCOS LX software release 5.38 Rel, as well as the improvements since the previous version.

Before upgrading the firmware, please pay close attention to chapter 7 "General notes" of this document.

Latest support notes and known issues regarding the current LCOS LX version can be found in the support area of our website https://www.lancom-systems.com/service-support/instant-help/common-support-tips/

2. The release tag in the software name

Release Candidate (RC)
A Release Candidate has been extensively tested by LANCOM and includes new LCOS featurses. It is suitable for testing and is not recommended for use in productive environments.

Release-Version (REL)
The release has been extensively and successfully tested in practice. It contains new features and improvements over previous LANCOM operating system versions. Recommended for use in productive environments.

Release Update (RU)
This is a further development of an initial release version and contains minor improvements, bug fixes and smaller features.

Security Update (SU)
Contains important security fixes for the respective LANCOM operating system version and ensures that your security level remains very high on an ongoing basis.

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3. Device-specific compatibility to LCOS LX

LANCOM products regularly receive major firmware releases throughout their life-time which provide new features and bugfixes.
LCOS LX release updates including bugfixes and general improvements are available on a regular basis for devices which do not support the latest LCOS LX version. You can find an overview of the latest supported LCOS LX version for your device under
https://www.lancom-systems.com/products/lcos/lifecycle-management/product-tables/

4. Notes on LCOS LX

Information on default settings
Devices delivered with LCOS LX automatically connect to the LANCOM Management Cloud (LMC). This functionality provides zero-touch installation for new devices. In case you do not want to use the LMC, this feature can be disabled while running the default setup wizard for the initial configuration, or at any time from within LANconfig under Management > LMC. You can manually re-enable the usage of the LMC when-ever you want.

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5. History LCOS LX

LCOS LX improvements 5.38.0084 Rel

New features
→ Support for LANCOM OX-6400 and LANCOM OX-6402
→ Support for configuration uploads and downloads in WEBconfig
→ Support for LMC WEBconfig and CLI tunneling

Bugfixes / improvements
→ Fixed CVE-2022-24810, CVE-2022-24809, CVE-2022-24808, CVE-2022-24807, CVE-2022-24806, and CVE-2022-24805.
→ MAC address checking via RADIUS was not possible for open/unencrypted SSIDs or 802.1X-using SSIDs.
→ When reading the LLDP information of a connected LCOS LX access point on a LANCOM switch, the output in the Remote Port ID column did not show the name of the logical interface (e.g. LAN-1) but a MAC address that could not be assigned.
→ All possible values could be set as data rate for beacons, although only the values 6 Mbps, 12 Mbps and 24 Mbps are supported. The input is now limited to the supported values.
→ In the QR code for an SSID whose SSID name is not to be broadcast, the information that it is an SSID with a suppressed name was not included.
→ Due to an error in the handling of associated and non-associated WLAN clients in the station list of the IAPP service, connection and call drops could occur when roaming VoIP WLAN clients (e.g., mobile WLAN phone), among other things.
→ A misbehavior in the bridge caused an access point to re-receive an IP packet that it had sent itself. This resulted in the access point no longer being able to be reached and, for example, losing the connection to a WLAN controller.
→ Due to an error in the handling of Pairwise Master Keys (PMKs), LCOS LX access points experienced a memory shortage. As a result, an access point restarted abruptly.
→ An error in the firmware of the Wi-Fi chipset could lead to an access point rebooting without warning, if there were many simultaneous client login attempts.

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6. Known restrictions

→ When using both LAN ports for passing through data traffic only untagged data traffic or data traffic tagged with the management VLAN tag is passed through.
→ Local configuration changes are not transferred to the LMC.
→ The scripting of the device from the LMC is currently not supported, but the use of add-ins is.

7. General notes

Disclaimer
LANCOM Systems GmbH does not take any guarantee and liability for software not developed, manufactured or distributed by LANCOM Systems GmbH, especially not for shareware and other extraneous software.

Backing up the current configuration
Before upgrading your LANCOM devices to a new LCOS LX version it is essential to backup the configuration data!
Due to extensive features it is **not possible to downgrade** to a previous firmware without using the backup configuration.
Please see the LCOS LX reference manual for instructions on how to upgrade the firmware.

We strongly recommend updating productive systems in client environment only after internal tests. Despite intense internal and external quality assurance proce-dures possibly not all risks can be eliminated by LANCOM Systems.

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