Release Notes

LCOS SX
4.30 RU1

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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.

LCOS SX 4.20 is the operating system for all LANCOM switches of the GS-3200 and GS-3600 series, and GS-3510XP, GS-3528XP, GS-3126X und GS-3126XP.

The LCOS SX 5.xx operating system is available for all LANCOM switches of the GS-4500 and XS series.
The LCOS SX 4.00 operating system is available for all LANCOM switches of the GS-3100 / GS-3500 series.
The LCOS 3.32 operating system is available for all LANCOM switches of the GS-1300 / GS-2300 series.
The release notes for these device series can be found as usual on the LANCOM website in the download area of the respective switch.

This document describes the new features of the LCOS SX software release 4.30 RU1 as well as the changes and improvements to the previous version.

Before upgrading your device to a new firmware it is essential to **backup your device's configuration**.
Due to extensive features it is **not possible to downgrade** to a previous firmware without using the backup configuration.
Please note that different firmware files might be available for your device.

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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 version has been extensively and successfully tested in practice. It contains new features and improvements over previous LANCOM operating system versions and is therefore recommended for use in productive environments.

Release Update (RU)

A release update is a further development of an initial release version in productive environments and contains minor improvements, security fixes, 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 in your productive environment.

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3. New features, improvements, and history

LCOS SX 4.30.0071 RU1

For LANCOM GS-3200- / GS-3600-Serie, GS-3126X, GS-3126XP, GS-3510XP, GS-3528X, GS-3528XP

Bug fixes

→ If a network device on a switch with several VLANs and active routing was assigned an IP address that did not belong to the VLAN in which the device was located, this device was able to communicate with devices in other VLANs.

→ If a 10 GBit SFP+ module was operated in a LANCOM GS-3510XP in port 9, a link was no longer established after an upgrade to LCOS SX 4.30 Rel.

→ After updating to LCOS SX 4.30 Rel, PoE no longer worked. In the web interface, the message "budget exceeded" was displayed for the ports in the 'PoE management / PoE status' menu.

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LCOS SX 4.30.0071 Rel

For LANCOM GS-3200- / GS-3600-Serie, GS-3126X, GS-3126XP, GS-3510XP, GS-3528X, GS-3528XP

Please note the following information if a later firmware downgrade from LCOS SX 4.30 REL to LCOS SX 4.00 is performed (only applies to LANCOM switches GS-3200 / GS-3600 series, GS-3126X, GS-3126XP, GS-3510XP, GS-3528X, GS-3528XP):
→ A downgrade only works if LCOS SX 4.00 is still in the backup slot of the device. A later downgrade by uploading an LCOS SX 4.00 is no longer possible.
→ All users created on LCOS SX 4.30 will be deleted and the admin password, if changed, will be reset to the default value.
→ SNMPv1/v2c traps that use the 'Security name' are lost.
→ If the configuration is persisted in LCOS SX 4.30, the 'System description' is lost after a downgrade.

New features
→ OS harmonization of LANCOM GS-3126X, GS-3126XP, GS-3528X, GS-3528XP and GS-3510XP
→ Support for the new LANCOM IGS-3510XUP
→ The 802.1X reauth period has been increased from 3600 seconds (1h) to 28800 seconds (8h).
→ Syslog messages can now be sent either via TCP or UDP.

Bug fixes
→ If a switch lost the connection to the LMC (message "The device ... has lost its connection to the cloud.") and then reconnected to the LMC (message "The device ... is connected to the cloud."), the message "The device ... has reported a boot process." was always displayed in the LMC, even if the device was not restarted.
→ If a network device with a port speed of 1 Gbps was connected to a 2.5 Gbps switch port, recurring link loss (flapping) could occur.
→ If authentication was performed on a switch port using 802.1X with EAP-TLS and 'Multi 802.1X' mode for two daisy-chained devices (such as a telephone and a computer connected to it) and the second device was disconnected from the network, the MAC address of the second device remained in the switch. This resulted in the switch performing a fallback authentication via MAC address for the device disconnected from the network (Dot1X MAB).
→ When blocking all data traffic in a network via ACL, DHCP packets were not

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→ If the 2.5 Gbps ports of LMC-managed switch models LANCOM GS-3652X, GS-3652XP and GS-3652XUP were set from 'Auto' to a different value, this led to a rollout error.

→ A security vulnerability in the SSH protocol has been fixed (Terrapin security vulnerability/CVE-2023-48795).

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4. Common advice

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.

Support notes & known issues

Latest support notes and known issues regarding the current LCOS SX version can be found in the download area of our website: Common support tips