

Release Notes

LCOS SX

4.20 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.

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 4.20 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.

2. The release tag in the software name

Release Candidate (RC)

A Release Candidate has been extensively tested by LANCOM and includes new LCOS features. 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.

3. New features, improvements, and history

LANCOM GS-3200 / 3600 series - LCOS SX 4.20.0126 RU1

New features

- Switches can now be authenticated as 'Supplicant' at the RADIUS server
- Integration of the LANCOM switches GS-3628X and GS-3652XUP
- Implementation of 'SMTP event notifications'

Bug fixes

- The SFP-CO-10-MG module was not detected on any of the GS-3600 series switches. As a result, no link could be established with this module via the SFP uplink ports.
- It could happen when switching between menus in WEBconfig, even without configuration adjustments, that the disk icon in the upper right corner changed to red, indicating a configuration change.
- Detection of PoE power consumption signaled by the end device via LLDP-MED did not work, so the switch always reserved the maximum of the PoE class (e.g., 30 W PoE power on the port for a class 4 end device).
- Many events were not logged in the integrated syslog (e.g. login and logout in WEBconfig). In addition, the menu 'Event Notification / Event Configuration' was missing, so that no assignment of an event type to the severity of the event was possible and logging in the syslog could also not be activated or deactivated for individual event types.
- The 2.5 Gbps ports are always divided into a cluster of four ports. After disabling the first 2.5 Gbps port in a cluster, no communication was possible via the remaining 2.5 Gbps ports of a cluster after a cold start.
- If a network device with 1 Gbps was connected to a switch port with 2.5 Gbps, recurring link loss (flapping) could occur.
- The ACL (Access Control List) is always active for DHCP. DHCP packets are allowed. BootP packets without 'DHCP Message Type' set were not supported by the ACL and therefore discarded. This caused that additional parameters could not be transferred via BootP.
BootP packets are now internally treated as DHCP request or DHCP ACK so that the packets are allowed by the ACL.

LANCOM GS-3200 / 3600 series - LCOS SX 4.20.0074 Rel**New features**

→ Support for the LANCOM switches

- GS-3252P
- GS-3628XUP
- GS-3652X
- GS-3652XP

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](#)