

LANCOM Release Notes for XS-5xxx

LCOS SX

5.00 RU2

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October 7th, 2020, MKoser

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1. Preface

LCOS SX 5.x is the operating system for all LANCOM XS-5xxx switches. In the context of the hardware given by the products the at a time latest LCOS SX 5.x version is available for all LANCOM XS-5xxx switches and is available free of charge for download from LANCOM Systems.

For all LANCOM switches of the GS-13xx, GS-23xx, and GS-3xxx series the LCOS SX 3.x / 4.x operating system is pursued. You can find the release notes for these series as usual on the LANCOM website in the download area of the respective switch.

Devices delivered with LCOS SX 5.00 or higher 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 at any time on the device's WEBconfig under "Configuration > LMC". You can manually re-enable the usage of the LMC whenever you want.

2. New features, improvements, and history

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Bug fixes

- It could happen that incorrect readout data of the module temperature was generated due to incorrect timing on the I2C bus. As a result, the "Fan LED" (status of the fan) on the front of the switch turned red and the function of the switch was affected. However, after a restart, the switch worked normally again.
- The I2C bus was also completely disturbed in rare cases, resulting in incorrect output values, such as incomplete inventory data of the SFP+ modules. This disturbance was also corrected by correcting the I2C timings.

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This release update is the first for the new LANCOM aggregation switches of the XS-5xxx series.

New features

- Added the option to redirect HTTP to HTTPS without disabling HTTP completely.
- Using the CLI command 'erase permanent-storage' it is now possible to reset all persistent data to factory defaults. This means that all settings, sensitive data, and certificates are deleted. After executing this command it is possible to pass the switch on to another customer or partner without hesitation.
- Until now, not all monitoring information from the switches was recorded in the LANCOM Management Cloud. From this version on all information can be read out as usual in the LMC.
- When tunneling terminal access from the LMC, it is no longer necessary to enter user name and password. This redundant query has been removed.

Bug fixes

- During the LANconfig device search via TFTP broadcast it could sporadically happen that a switch answered the request with an 'ICMP port unreachable'. As a result the switch was not found during a device search.
- If the DHCP client of the switch was active, static IP entries were not saved in order to be added to the configuration and become active when deactivating the DHCP client.
- Synchronization of the firmware in the stack did not work if a stack member who joined a stack joined another stack with a higher firmware version.
- A vulnerability existed in OpenSSH 8.3p allowing for potential Denial of Service (DoS) attacks and remote execution of malicious code (CVE-2020-15778).
This vulnerability in the OpenSSH library has been fixed.
- Synchronization of the SSH host key in a stacking network to all members did not work. As a result, if management was moved to another switch while keeping the IP address of the stacking group, an SSH client login to the switch would result in an unknown host key warning message.

3. 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 hints](#)