

Information regarding

LANCOM GS-2326(P) / GS-2352(P) / GS-2310P

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1. Preface

Warning hints

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 see the reference manual for instructions on how to backup the router configuration.

Hint for firmware update from <= 1.48 RC1 to >= 1.65 Rel

Before you can update from firmware <= 1.48 RC1 to firmware >= 1.65 Rel you have to install firmware 1.54. A direct update to 1.65 Rel is **not** possible. A downgrade to any firmware < 1.54 is not possible afterwards.

2. Known Issues

Latest support notes and known issues regarding the current LCOS version can be found in the download area of our website <http://www.lancom-systems.eu/Common-Support-Hints.64.0.html>

3. New Features, Improvements and History

LANCOM GS-2326(P) / GS-2352(P) / GS-2310P improvements 2.52 Rel ► 2.83 Rel

New Features:

- The online help was improved
- The hardware version is displayed in the system information
- Configuration and firmware can now be installed via SCP
- Support for further radius attributes at login/logout
- The default values of configuration time were adjusted
- HTTPS certificates have been improved
- With the new CLI command „cert-renew“ a new HTTPS certificate with a unique serial number can be generated
- Access via TFTP can be configured
- LANCOM GS-2352 and GS-2352P support the following 10GB SFP Direct-Attach-Cable:
 - HP SFP+ Direct Attach 1m J9281B
 - D-link DEM-cb300S P3400XA03000-A
 - Intel Ethernet SFP+ Twinaxial Cable XDACBL3M - Twinaxial-Kabel - SFP+ (M)
- The device name is displayed within the browser tab

Bugfixes / Improvements:

- If DHCP snooping is activated in a PXE environment, a client still get an address assigned
- Without authentication you won't get an address on a port with 802.1x authentication
- Enabling DHCP Snooping no longer causes a crash
- If several commands be performed, the connection to a TACAS+ server won't get disconnected when the accounting is activated
- Access to other switches using single IP over HTTPS has been corrected
- If the IPv4 and IPv6 client is activated and the device name contains more then 254 signs, this will don't lead to a countless sending of Router Solicitations per second
- When several clients sign in to a port with 802.1x authentication, this will not lead to a crash
- The configuration can be imported/exported via LANconfig as XML again
- If the password contains invalid characters, this leads to an error message
- The download and upload of the configuration via TFTP can only be performed by a user who has the permission configured
- The TFTP download and upload works even if the first character of the password is a "@"
- When sending emails the setting for summer / winter time is taken into account

LANCOM GS-2326(P) / GS-2352(P) improvements 2.26 Rel ► 2.52 Rel

New Features:

- Protected device access by TACACS+ or RADIUS authentication is displayed on the web interface
- Extended the private MIB by PoE and VLAN port configuration
- Support for 1024bit SSL encryption
- The default value for the VLAN port was changed to „C-port“
- Adjusted background color for the web interface
- A status code is returned for a correct LANconfig display while updating the firmware

Bugfixes / Improvements:

- Access via LACP Link with IPv6 is possible after reboot
- Revised legend for the serial number field
- If no user data is transferred during TFTP access, an appropriate error code is returned for LANconfig
- Added help items for TACACS+ Authorization, Accounting Configuration and Traffic Class
- The navigation bar is displayed in Internet Explorer 10
- Customized help for ACL configuration
- LLDP-MED settings can be retrieved via MIB
- A PXE Boot client gets an IP address if DHCP snooping is enabled
- Fixed serial number help
- Configuration export and import allows for all parameters
- If DHCP Snooping is enabled on a trusted ethernet port, DHCP packets on ports 66-89 and 4011 are allowed, too
- The switch waits up to 15 minutes for an IP address allocation by a DHCP server before it falls back to its default IP address
- Adjusted DHCP host name
- Fixed help for Circuit- and Remote ID
- The MIB contains the correct value for „pethPsePortDetectionStatus“
- Corrected the default values for the IPv6 configuration
- Increased the default value for access level modification to Privilege Level 15
- If a loop is plugged between 802.1x configured ports, the switch does not boot
- When configuring SMTP, the recipient is listed only once
- Configuration import works with long VLAN names, too

LANCOM GS-2326(P) / GS-2352 improvements 1.65.Rel ▶ 2.26 Rel

Bugfixes / Improvements:

- SNMPv3 trap host configuration display is correct after an SNMP command was executed from CLI
- ACL works again, even if ARP packets were received
- The password is no longer deleted if the system name was changed
- The model name is displayed correctly if retrieved by SNMPc
- Improved Reboot/Restore button
- Path cost is determined correctly when using STP and aggregation at the same time
- On a Windows 2008 Server the switch's MAC address is displayed
- All devices with identical first 4 byte MAC address are displayed
- No trap events are sent if the respective port is disabled
- Easy Port: The traffic class value can be changed for IP-CAM and WiFi-AP
- Easy Port: Feedback when pressing the Apply button
- Easy Port: If Port Security is enabled for one port, it is activated globally
- Easy Port: A VLAN group is built with the selected ports using the VLAN ID with IP-CAM and WiFi AP
- The model name is shown on the command line
- No reboot when accessing the switch via LANconfig/SSH
- Improved answer times when scanning ethernet- and PoE-ports with LANmonitor
- Modification within the NTP protocol: NTP request is working reliably
- % and + characters can be used for passwords

LANCOM GS-2326 / GS-2352 improvements 1.48 RC1 ▶ 1.65 Rel

Bugfixes / Improvements:

- Improved ping answer times
- Changing the system description parameters can no longer cause a device password reset
- Optimization of the 10 GBit ports improves handling for packets with high run time
- Multicast packets in a ring topology do no longer cause loss of management access while plugging and unplugging the cable
- Fixed a problem which could cause an incompletely read MIB file
- An SNMP walk can now be done without errors
- Fixed a problem with configuration file import
- Improved 802.1x authentication when using a Windows 2008 Server as a Radius server

LANCOM GS-2326 / GS-2352 improvements 1.32 Rel ▶ 1.48 RC1

Bugfixes / Improvements:

- Switching a port On/Off repeatedly could lead to connection loss
- Fixed a problem with speed recognition in automode for the 10G SFP ports
- Improved LACP stability
- Improved display of the IPv6 link-local address
- Corrected answer behaviour for the link-local address
- Fixed faulty syslog configuration display
- Improved system stability when simultaneously configuring STP and LACP
- Improved Web interface display after saving the user configuration
- It is now possible to configure an SNMP trap server IP address
- Corrected display after firmware upload or restart via webinterface

4. Comments

In principle, we suggest upgrading the firmware of your device only if you are in need of the latest features.

Please note that different firmware files might be available for your device. Further information can be found in the file README.PDF in the download area of our homepage.