



Firmware for RKS-G4028 Series (L3 models) Release Notes

Version: v4.0	Build: N/A
Release Date: Jun 28, 2023	

Applicable Products

RKS-G4028-L3-4GS-2HV-T, RKS-G4028-L3-4GS-2LV-T, RKS-G4028-L3-4GS-HV-T, RKS-G4028-L3-4GS-LV-T, RKS-G4028-L3-4GT-2HV-T, RKS-G4028-L3-4GT-2LV-T, RKS-G4028-L3-4GT-HV-T, RKS-G4028-L3-4GT-LV-T, RKS-G4028-L3-PoE-4GS-2HV-T, RKS-G4028-L3-PoE-4GS-2LV-T, RKS-G4028-L3-PoE-4GS-HV-T, RKS-G4028-L3-PoE-4GS-LV-T

Supported Operating Systems

N/A

New Features

- Added support for DHCP Relay Agent/Option 82.
- Added support for Media Redundancy Protocol (MRP).
- Added support for DHCP Snooping.
- Added support for IP Source Guard.
- Added support for Dynamic ARP Inspection.
- Added support for Fiber Check.
- Added support for RSPAN.
- Added support for EtherNet/IP.
- Added support for Modbus TCP.
- Added support for additional 1588 PTP power profiles: IEC 61850-9-3, C37.238-2017.

Enhancements

- Improved the layout of the Daylight Saving settings for easier configuration. (Note: A one-time pop-up reminder will appear to check the Daylight Saving settings when logging in for the first time after upgrading to the v4.x firmware.)
- Added support for additional special characters for the User Account, Password, and Device Name fields.
- Added Power Management mode for PoE which allows users to choose Consumption mode with the Auto power cutting mechanism or Allocated Power mode based on application needs.
- Added MS-CHAPv2 authentication for RADIUS Server Login Authentication.
- Added the “Transmitting Synchronized”, “Receiving Synchronized”, and “Disabled” port states for Transparent Clock mode.
- Added Preempt Mode and Preempt Delay to the VRRP function.

Bugs Fixed

- IGMP Multicast Group entries are unexpectedly deleted.
- When receiving an IGMP Leave request, the system will delete the IGMP Static Router Port.
- Specific SNMP OIDs may cause the system to be unable to complete the SNMP Walk application.
- Users are unable to delete NTP settings via the CLI.
- The existing certificate and digital signature key information are not deleted after performing a factory reset.
- When File Encryption and File Signature for configuration backup and restore are both enabled, users are unable to import the exported configuration.
- The PoE LED blinks red when connecting a non-PD device.
- Vulnerability issues: CVE-2022-1292, CVE-2022-0778, CVE-2022-2068.
- The Fault LED stays lit after the port has returned to a normal forwarding state.
- Inconsistent wording on the Turbo Chain Status and LLDP Settings web interface pages.



- Entries remain in the forwarding table after being deleted from the IGMP Snooping Group Table.
- The dynamic GVRP port does not show the correct status in the VLAN table when it is in the Permanent state.
- If BPDU Guard is enabled and a BPDU is received on the edge port, the status is shown as “Blocking” instead of “Err-Disabled”.
- The system does not show the “config conflict” state when a non-repeating PoE rule conflicts with a daily repeated rule.
- The VLAN table in the web interface may randomly turn blank.
- If there are static routing rules with an identical destination IP but different metric, the system does not apply the rule with the shortest distance metric.
- If users enter the "no ip management name-server" twice in a row, the command will generate an error message.
- When users enter any MTU configuration CLI command, the system will also incorrectly show settings for the loopback interface which does not support MTU settings.
- VRRP does not process unicast ARP packets with a virtual MAC.
- If users are logged out of the web interface due to idling, they are automatically kicked out by the system when trying to log in again.
- The wording of the protocol/interface and undersize packets statistics in the web interface is incorrect.
- Users are able to select more than 8 ports for the port channel configuration in the web interface.
- The LLDP web interface page generates an internal error when the remote system name contains specific symbols.

Changes

- The PROFINET (0x8892), MRP (0x88E3), PTP (0x88F7 and 0x88B5) EtherType options for ACL rules have been removed for consistency with system behavior.

Notes

N/A



Version: v3.0	Build: 202206021129
Release Date: Aug 19, 2022	

Applicable Products

RKS-G4028-L3-4GT Series, RKS-G4028-L3-4GS Series, RKS-G4028-L3-PoE-4GS Series

Supported Operating Systems

N/A

New Features

- First release

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A