



Firmware for RKS-G4028 Series Release Notes

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

Applicable Products

N/A

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.
- Improved the DHCP Server UI page to be consistent with the system behavior. Users can only assign IP addresses within the range of the network domain of the management IP.

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.

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: 202206071129
Release Date: Aug 19, 2022	

Applicable Products

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