



Firmware for AWK-3131A-RTG Series Release Notes

Version: v1.9	Build: 25061015
Release Date: Jul 31, 2025	

Applicable Products

AWK-3131A-RTG Series

Supported Operating Systems

N/A

New Features

- Added a firmware signature verification mechanism.

Enhancements

N/A

Bugs Fixed

- The remote host unintentionally responds to ICMP timestamp requests.
- CVE-2023-52160 vulnerability issue.
- CVE-2017-17562 vulnerability issue.
- Large header sizes would cause the web interface to become unresponsive.
- Using a long URL in the web interface would make it become unresponsive.

Changes

- Users are now required to update the default password when logging in to the web interface or CLI.
- Removed non-secure SSH key exchange algorithms.
- Removed non-secure cipher suites for TLS settings in the web interface.
- Revised the TLS cipher suite order for security.
- Updated NTP to v4.2.8p18.
- Updated zlib to v1.2.11.
- Updated dnsmasq to v2.85.
- Updated OpenSSL to v1.1.0l.

Notes

- The firmware for this device was developed using open source components. The FOSS declaration can be downloaded from the product page on the Moxa website (www.moxa.com).

Version: v1.8	Build: 21090318
Release Date: Nov 30, 2021	

Applicable Products

AWK-3131A-RTG series

Supported Operating Systems

N/A

New Features

- Added support for the remote diagnostics feature on the Troubleshooting page.
- Added a Clear Log option to the Maintenance page.
- Added support for AAA authentication.
- Added support for Moxa Wireless Protect.
- Added Login/Authentication Failure Message settings in System Information.
- Added support for Interface On/Off, and Enable/Disable settings for SNMP.
- Added IP Aliasing, Management IP Address, and Management subnet mask settings to Network Settings.
- Added the Management Frame Encryption Password setting in Basic WLAN Setup.
- Added additional Multicast rate options for Advanced Wireless Settings.
- Added the option to enable or disable CCA.
- Added the option to enable or disable proxyArp for Client-router Mode in Advanced Wireless Settings.
- Added an SNR option for Roaming and AP candidate thresholds to Advanced Wireless Settings.
- Added a client-to-AP retry count (1-4) option to Advanced Wireless Settings.
- Added support for a bidirectional Keep Alive mechanism for controller-based roaming.
- Added Alive Check interval and count settings.
- Added a LAN (Management) section to VLAN Settings.
- Added Port Forwarding Settings to NAT/Port Forwarding.
- Added support for user account authentication in SNMP Agent.
- Added support for Multicast IP settings.
- Added an option to enable or disable Link Fault Pass-Through for Client mode in Link Fault Pass-through.
- Added Turbo roaming events to System Log Event Types and Syslog Event Types.
- Added Coordinator Status events to Notification Event Types and Trap Event Types.
- Added Coordinator Status events to Relay Event Types
- Added the SMTP Port and SMTP Security Mode options to E-mail Server Settings.
- Added the Outgoing Packets and Incoming Packet status to Wireless LAN Status.
- Added an Export Log button to the DHCP Client List page.
- Added a page range to System Logs.
- Added the System, Account, ARP, Bridge, and LLDP Status to Status.

Enhancements

- AeroLink now blocks traffic in the IDLE state to prevent short looping.
- Added a dB value to the AeroLink threshold.
- Adjusted the accuracy of the transmission (tx) rate to the second decimal.
- Increased the number of Port Forwarding rule entries from 16 to 32.
- Increased the number of MAC Filter, IP Protocol Filter, and TCP/UDP Port Filter entries from 8 to 32.
- Cybersecurity enhancements.
- Enhanced the group check logic for WLAN, 50 ms roaming, security mode, and WAC settings.
- Added an ARP filter option for IP Protocol Filter entries.



Bugs Fixed

- The name of the wlanSignal SNMP node is incorrect.
- Memory leak from sometimes causes the crash of the web server
- Language errors on the Turbo Chain status page.
- The real-time-clock (RTC) does not work if the system is not powered on for a long time.

Changes

- Changed the RF type default value from "B/G/N Mixed" to "2.4G N".
- Changed the Wireless default state on the Operation Mode page from "enabled" to "disabled".
- Changed the default value of the Client lease time for the DHCP server from 5 days to 14400 min.
- Changed the MAC Filters default policy from "accept" to "drop".
- Changed the default state of HTTP and Telnet on the Console Settings page from "enabled" to "disabled".
- Removed the ability to press Enter to trigger the ping function.

Notes

N/A



Version: v1.0	Build: Build 18102517
Release Date: Jan 10, 2019	

Applicable Products

AWK-3131A-M12/SSC-RTG Series

Supported Operating Systems

N/A

New Features

First release

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A