



Firmware for AWK-3131A Series Release Notes

Version: v1.21	Build: N/A
Release Date: Oct 13, 2025	

Applicable Products

AWK-3131A Series

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

- The web interface may become unresponsive during login.
- Users can still access the device via SSH, even if SSH is disabled.

Changes

N/A

Notes

N/A



Version: v1.20	Build: N/A
Release Date: Jul 25, 2025	

Applicable Products

AWK-3131A Series

Supported Operating Systems

N/A

New Features

- Added a firmware signature verification mechanism.

Enhancements

N/A

Bugs Fixed

- [CVE-2023-52160] vulnerability.
- [CVE-2017-17562] vulnerability.
- Large HTTP headers could cause the device to crash.

Changes

- Users are now required to change the default password when logging in to web UI or CLI for the first time.
- Removed insecure SSH key exchange algorithms.
- Removed the insecure cipher suite for the WEB TLS setting.

Notes

- This firmware complies with the EN 18031-1:2024 standard.
- For security reasons, a firmware signature mechanism was added to firmware v1.20. As a result, when uploading firmware in v1.20 or higher, you must upload a ZIP file that includes both the firmware file (.rom) and signature file (.sig). When upgrading to v1.20, you only need to upload the firmware file (.rom).
- If you need to downgrade from v1.20 to an earlier version for any reason, please Moxa Technical Support.



Version: v1.19	Build: N/A
Release Date: Dec 27, 2024	

Applicable Products

AWK-3131A Series

Supported Operating Systems

N/A

New Features

- Added support for the Wi-Fi Auth/Assoc timeout setting.

Enhancements

N/A

Bugs Fixed

- Switching between HEX and ASCII modes in the serial data log interface causes the web interface to freeze.
- Certificates containing allowed special characters would fail to import.
- Enabling the DHCP server in Client-router mode causes the system to unintentionally perform a cold start.
- The system retains the WLAN certificate password in the web interface after rebooting or after power cycling the device.
- Static IP configurations show in the syslog when the IP type is set to DHCP.
- The remote connection check function behaves abnormally.
- The system unintentionally logs the user out from the web interface when in Client-router mode or when the remote connection check function is enabled.
- Unnecessary ARP request logs are recorded in dmesg when receiving HSRP packets.
- The CLI displays incorrectly when accessed via SSH/Telnet console.
- CPU usage is abnormally high when the system performs a wireless link health check process.
- The system validates certificates in the wrong order, causing the certificate verification to fail.
- The system does not correctly apply GARP IP address settings if the device's network IP address has been modified.

Changes

- Added a config check to ensure the UDP socket mode port range is set within 0 to 9999.

Notes

- This firmware is compliant with FOSS license requirements.



Version: v1.18	Build: N/A
Release Date: Mar 21, 2023	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

- Added support for AP-Based Connection Management.
- Added support for Gratuitous ARP.
- Added support for Jumbo Frame (MTU).
- Added support for Wireless Link Health Check (AP).

Enhancements

- Added the All Channel option for Client-based Turbo Roaming.

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v1.17	Build: N/A
Release Date: Oct 14, 2021	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

Support for firmware version v1.17.



Version: v1.16	Build: 21060217
Release Date: Apr 01, 2021	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

- Added the CPU usage SNMP node.
- Added the memory usage SNMP node.

Enhancements

N/A

Bugs Fixed

N/A

Changes

- Changed the “wlanClientRSSIdB” node name to “wlanClientSignalStrength”.
- Changed the “wlanClientRSSIval” node name to “wlanClientSNR”.
- Changed the “wirelessStatusAPip” node name to “wlanAPip”.
- Changed the “wirelessStatusRSSI” node name to “wlanSNR”.
- Changed the “wirelessStatusNoiseLevel” node name to “wlanNoiseLevel”.
- Changed the “wirelessStatusSNR-A” node name to “wlanSNR-A”.
- Changed the “wirelessStatusSNR-B” node name to “wlanSNR-B”.

Notes

N/A



Version: v1.15	Build: 20071510
Release Date: Jun 30, 2020	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

- Added 8 channels (total of 11) for Client-based Turbo Roaming channel scanning.
- Added support for AeroMag in Client-Router Mode.
- Added support for Wi-Fi Remote Connection Check.
- Added support for WDS.
- Added support for AeroMagReset.
- Added support for client isolation in AP mode.
- Added an option to allow the use of special characters.
- Added an option to configure password encryption.
- Added an option to configure the N multicast rate.
- Added an option to configure the HTTP/HTTPS web port.
- Added an option to generate the systemlogRSSIReport.
- Added an option to configure SMTP servers.
- Added an option to configure the snmpRoCommunity and snmpRwCommunity.
- Added the WLAN connect/disconnect events on the E-mail/Trap/Relay.
- Added the "Cold Start" event on the Relay.
- Added the "Warm Start" event on the Relay.
- Added the "POWER 1" event on the Relay.
- Added the "POWER 2" event on the Relay.
- Added the "Config Change" event on the Relay.
- Added the "Console Auth Fail" event on the Relay.

Enhancements

N/A

Bugs Fixed

N/A

Changes

- Changed the default multicast rate value.
- Changed the fix rate list according to the selected RF type.

Notes

N/A



Version: v1.13	Build: Build_18121215
Release Date: Dec 26, 2018	

Applicable Products

AWK-3131A-JP, AWK-4131A-EU-T, AWK-3131A-JP-T, AWK-3131A-EU, AWK-3131A-US, AWK-3131A-EU-T, AWK-4131A-US-T, AWK-4131A-JP-T, AWK-3131A-US-T

Supported Operating Systems

N/A

New Features

- Function to enable/disable SSL Certificates
- Function to configure the 3rd SNMP trap receiver

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v1.12	Build: Build_18090617
Release Date: Oct 30, 2018	

Applicable Products

AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-US, AWK-3131A-US-T, AWK-3131A-JP, AWK-3131A-JP-T, AWK-4131A-EU-T, AWK-4131A-US-T, AWK-4131A-JP-T

Supported Operating Systems

N/A

New Features

- MIB files released for a new firmware version.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v1.11	Build: Build_18072018
Release Date: N/A	

Applicable Products

AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-US, AWK-3131A-US-T, AWK-3131A-JP, AWK-3131A-JP-T, AWK-4131A-EU-T, AWK-4131A-US-T, AWK-4131A-JP-T

Supported Operating Systems

N/A

New Features

- The threshold of AP alive check, including turboRoamingRoamingAliveLegacySNR, turboRoamingRoamingAliveSignal, turboRoamingRoamingAliveNmode24GSNR, turboRoamingRoamingAliveNmode24GSignal, turboRoamingRoamingAliveNmode5GSNR, and turboRoamingRoamingAliveNmode5GSignal
- Supports the operation mode "AeroMag Client".
- Supports NAT mode, including N-to-1 NAT and 1-to-1 NAT.
- Supports setting of 1-to-1 NAT values.
- Supports refresh channel function in AeroMag.
- Bridge status information.

Enhancements

N/A

Bugs Fixed

- SNMP password can't be set; including in snmpRo_community and snmpRw_community

Changes

- Changed the range of the WLAN inactive timeout setting to 8-240.
- Changed the "turboRoamingRoamingThresh2GSNR" range to 5-60.

Notes

N/A



Version: v1.10	Build: Build_18032720
Release Date: N/A	

Applicable Products

AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-US, AWK-3131A-US-T, AWK-3131A-JP, AWK-3131A-JP-T, AWK-4131A-EU-T, AWK-4131A-US-T, AWK-4131A-JP-T

Supported Operating Systems

N/A

New Features

- MIB files released for a new firmware version.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v1.9	Build: Build_18012818
Release Date: N/A	

Applicable Products

AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-US, AWK-3131A-US-T, AWK-3131A-JP, AWK-3131A-JP-T, AWK-4131A-EU-T, AWK-4131A-US-T, AWK-4131A-JP-T

Supported Operating Systems

N/A

New Features

- MIB files released for a new firmware version.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v1.8	Build: Build_17122516
Release Date: N/A	

Applicable Products

AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-US, AWK-3131A-US-T, AWK-3131A-JP, AWK-3131A-JP-T, AWK-4131A-EU-T, AWK-4131A-US-T, AWK-4131A-JP-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

N/A

Changes

- Changed SNR and Signal_Strength to lower case in AeroLink Protection configuration.
- Changed the option description to lower case for turboRoamingRoamingThreshunit configuration.

Notes

N/A



Version: v1.7	Build: Build_17102616
Release Date: N/A	

Applicable Products

AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-US, AWK-3131A-US-T, AWK-3131A-JP, AWK-3131A-JP-T, AWK-4131A-EU-T, AWK-4131A-US-T, AWK-4131A-JP-T

Supported Operating Systems

N/A

New Features

- MIB files released for a new firmware version.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v1.6	Build: Build 17091517
Release Date: N/A	

Applicable Products

AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-US, AWK-3131A-US-T, AWK-3131A-JP, AWK-3131A-JP-T, AWK-4131A-EU-T, AWK-4131A-US-T, AWK-4131A-JP-T

Supported Operating Systems

N/A

New Features

- MIB files released for a new firmware version.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v1.5	Build: Build 17041601
Release Date: N/A	

Applicable Products

AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-US, AWK-3131A-US-T, AWK-3131A-JP, AWK-3131A-JP-T, AWK-4131A-EU-T, AWK-4131A-US-T, AWK-4131A-JP-T

Supported Operating Systems

N/A

New Features

- MIB files released for a new firmware version.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v1.4	Build: Build 17031018
Release Date: N/A	

Applicable Products

AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-US, AWK-3131A-US-T, AWK-3131A-JP, AWK-3131A-JP-T, AWK-4131A-EU-T, AWK-4131A-US-T, AWK-4131A-JP-T

Supported Operating Systems

N/A

New Features

- MIB files released for a new firmware version.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v1.3	Build: Build 16100315
Release Date: N/A	

Applicable Products

AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-US, AWK-3131A-US-T, AWK-3131A-JP, AWK-3131A-JP-T, AWK-4131A-EU-T, AWK-4131A-US-T, AWK-4131A-JP-T

Supported Operating Systems

N/A

New Features

- MIB files released for a new firmware version.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v1.1	Build: Build 15122211
Release Date: N/A	

Applicable Products

AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-US, AWK-3131A-US-T, AWK-3131A-JP, AWK-3131A-JP-T

Supported Operating Systems

N/A

New Features

- Added new entry Long Distance function.

Enhancements

N/A

Bugs Fixed

N/A

Changes

- Removed Noise Protection function.

Notes

N/A



Version: v1.0	Build: Build 15061120
Release Date: N/A	

Applicable Products

AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-US, AWK-3131A-US-T, AWK-3131A-JP, AWK-3131A-JP-T

Supported Operating Systems

N/A

New Features

- First release.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A