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> [MOXA AWK-4131A-US-T Industrial 802.11a/b/g/n Access Point User Manual](#)

Moxa AWK-4131A-US-T

MOXA AWK-4131A-US-T Industrial 802.11a/b/g/n Access Point User Manual

Model: AWK-4131A-US-T

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the MOXA AWK-4131A-US-T Industrial 802.11a/b/g/n Access Point. This device is designed for robust wireless connectivity in harsh industrial environments, offering reliable performance and adherence to IP68 standards for dust and water protection. Please read this manual thoroughly before using the device to ensure proper and safe operation.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury and damage to the device:

- Ensure the power supply voltage is within the specified range for the device.
- Do not open the device casing unless instructed by qualified personnel.
- Protect the device from extreme temperatures, humidity, and direct sunlight beyond its operational specifications.
- Disconnect power before performing any maintenance or installation procedures.
- Use only accessories and components approved by Moxa.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- MOXA AWK-4131A-US-T Industrial Access Point
- Documentation CD (User Manual, Quick Installation Guide)
- Warranty Card
- Mounting Kit (if applicable)

If any items are missing or damaged, please contact your vendor immediately.

4. PRODUCT FEATURES

The MOXA AWK-4131A-US-T offers a range of features designed for industrial applications:

- IEEE 802.11 a/b/g/n compliant for high-speed wireless communication.
- IP68-rated housing for protection against dust and water ingress.
- Wide operating temperature range: -40°C to 75°C (-40°F to 167°F).
- Dual-band support (2.4 GHz and 5 GHz) for flexible deployment.
- Multiple operating modes: Access Point, Client, Bridge.
- Advanced security features including WPA/WPA2, 802.1X, and MAC address filtering.



Figure 4.1: Front view of the MOXA AWK-4131A-US-T Industrial Access Point, showing its robust casing and two external antennas. The device features multiple ports at the bottom for connectivity.

5. SETUP (INSTALLATION)

5.1 Mounting the Device

The AWK-4131A-US-T can be mounted on a wall or pole using the provided mounting kit. Ensure the mounting surface is stable and can support the device's weight.

1. Select a suitable mounting location, considering cable routing and antenna coverage.
2. Use the mounting bracket as a template to mark drilling points.
3. Drill holes and insert appropriate anchors if necessary.
4. Secure the mounting bracket to the surface.
5. Attach the AWK-4131A-US-T to the mounted bracket.

5.2 Connecting Power and Network

Connect the power supply and network cables to the device's appropriate ports. The device supports redundant power inputs for enhanced reliability.

- Connect the power cable(s) to the DC power input terminals.
- Connect an Ethernet cable from your network switch or router to the device's LAN port.
- Ensure all cable glands are properly tightened to maintain the IP68 rating.

5.3 Initial Configuration

After connecting power, the device will boot up. You can access the web-based management interface for initial configuration.

1. Set your computer's IP address to be in the same subnet as the device's default IP (refer to the Quick Installation Guide for default IP).
2. Open a web browser and enter the device's IP address.

3. Log in using the default username and password (change these immediately after first login for security).
4. Configure basic network settings, wireless parameters (SSID, security), and operating mode.

6. OPERATING INSTRUCTIONS

6.1 Accessing the Web Interface

The primary method for managing the AWK-4131A-US-T is through its web-based interface. Ensure your computer is connected to the same network as the access point.

- Open a web browser (e.g., Chrome, Firefox).
- Enter the IP address of the AWK-4131A-US-T in the address bar.
- Enter your username and password when prompted.

6.2 Wireless Configuration

Navigate to the "Wireless Settings" section in the web interface to configure your Wi-Fi network.

- **SSID:** Set the name of your wireless network.
- **Security Mode:** Select WPA2-PSK or WPA2-Enterprise for optimal security.
- **Passphrase/Key:** Enter a strong password for your wireless network.
- **Channel:** Select an appropriate channel to avoid interference.
- **Band:** Choose between 2.4 GHz, 5 GHz, or both.

6.3 Operating Modes

The device supports various operating modes:

- **Access Point (AP):** The default mode, allowing wireless clients to connect to your wired network.
- **Client:** Allows the device to connect to another access point wirelessly, acting as a wireless client for wired devices.
- **Bridge:** Connects two wired networks wirelessly.

7. MAINTENANCE

7.1 Firmware Updates

Regularly check the Moxa website for the latest firmware updates. Firmware updates can provide new features, performance improvements, and security patches.

1. Download the latest firmware file from the official Moxa support page for your model.
2. Access the device's web interface and navigate to the "System Maintenance" or "Firmware Upgrade" section.
3. Upload the downloaded firmware file and follow the on-screen instructions.
4. Do not power off the device during the firmware upgrade process.

7.2 Cleaning

Due to its IP68 rating, the device is designed to withstand harsh environments. Periodically inspect the casing and cable glands for any signs of damage or wear. Clean the exterior with a damp cloth if necessary, ensuring no liquids enter the ports.

7.3 Configuration Backup and Restore

It is recommended to regularly back up your device's configuration to prevent data loss in case of unforeseen issues.

- In the web interface, navigate to "System Maintenance" or "Configuration Management".
- Download the current configuration file to your computer.
- To restore, upload a previously saved configuration file.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not powering on.	No power supply; incorrect voltage; faulty power cable.	Check power connections; verify power supply voltage; replace cable.
Cannot access web interface.	Incorrect IP address; network connectivity issue; firewall blocking access.	Verify device IP; check network cables; temporarily disable firewall.
Wireless clients cannot connect.	Incorrect SSID/password; wrong security mode; channel interference.	Verify wireless settings; try a different channel; check client compatibility.
Poor wireless performance.	Interference; distance from clients; antenna orientation.	Optimize antenna placement; change wireless channel; reduce distance.

If the problem persists, refer to the full user manual on the Moxa website or contact technical support.

9. SPECIFICATIONS

Parameter	Value
Model	AWK-4131A-US-T
Wireless Standards	IEEE 802.11a/b/g/n
Frequency Band	2.4 GHz / 5 GHz
Ingress Protection	IP68
Operating Temperature	-40°C to 75°C (-40°F to 167°F)
Power Input	12/24/48 VDC (redundant inputs)
Antenna Connectors	N-type (x2)
Ethernet Ports	2 x 10/100BaseT(X) (M12 connector)

10. WARRANTY AND SUPPORT

Moxa products typically come with a standard warranty. Please refer to the warranty card included in your package or visit the official Moxa website for detailed warranty terms and conditions.

For technical support, product documentation, and software downloads, please visit the Moxa Global Website:

<https://www.moxa.com/support>

You may also contact your local Moxa distributor or sales representative for assistance.

Related Documents - AWK-4131A-US-T

	<p>Moxa AWK-1165C Series Industrial Wi-Fi 6 Wireless Client Datasheet</p> <p>Detailed specifications, features, and ordering information for the Moxa AWK-1165C Series industrial IEEE 802.11ax (Wi-Fi 6) wireless clients, designed for high-density deployments.</p>
	<p>Moxa AWK Series User Manual: Configuration, Operation, and Troubleshooting</p> <p>Comprehensive user manual for Moxa AWK Series industrial wireless devices (AWK-1151C, AWK-3252A, AWK-4252A). Covers web interface configuration, network setup, Wi-Fi settings, security, diagnostics, and troubleshooting.</p>
	<p>Moxa AWK-1151C Series Quick Installation Guide: Industrial Wi-Fi Client Setup</p> <p>Comprehensive guide to installing and configuring the Moxa AWK-1151C Series industrial Wi-Fi client, covering hardware setup, mounting, wiring, and software configuration.</p>
	<p>AWK-1165C/AWK-1165A Series Quick Installation Guide Moxa</p> <p>Concise guide for installing and configuring Moxa AWK-1165C/AWK-1165A Series Industrial Wi-Fi 6 Access Points and Clients. Covers hardware setup, panel layout, dimensions, mounting, wiring, LED indicators, specifications, and software configuration.</p>

<p>AWK-4262A Series Quick Installation Guide</p> <p>Moxa AirWorks</p> <p>Version 1.0, September 2024</p> <p>Technical Support Contact Information www.moxa.com/support</p>  <p>© 2024 Moxa Inc. All rights reserved.</p> 	<p>Moxa AWK-4262A Series Quick Installation Guide - Wireless AP/Bridge/Client</p> <p>This guide provides essential information for the quick installation of the Moxa AWK-4262A Series wireless AP/bridge/client. It covers hardware setup, panel layout, mounting options, wiring requirements, communication connections, LED indicators, specifications, software access, and configuration modes (AP, Client, Master/Slave). Includes FCC and regional compliance statements.</p>
<p>AWK-1165C/AWK-1165A Series Quick Installation Guide</p> <p>Moxa AirWorks</p> <p>Version 1.0, April 2024</p> <p>Technical Support Contact Information www.moxa.com/support</p>  <p>© 2024 Moxa Inc. All rights reserved.</p> 	<p>Moxa AWK-1165C/AWK-1165A Series Quick Installation Guide</p> <p>A comprehensive quick installation guide for Moxa's AWK-1165C and AWK-1165A Series industrial-grade Wi-Fi clients and Access Points (APs). It covers product overview, hardware setup, package contents, mounting procedures (DIN-rail and wall), wiring requirements, communication connections, LED indicators, specifications, safety precautions, and basic software setup for AP, Client, Master, and Slave modes.</p>

Industrial Wireless LAN Solutions

AWK-4131A Series

Outdoor industrial IEEE 802.11a/b/g/n wireless AP/Bridge/Client



- 2x2 MIMO 802.11n/b/g/n MIMO technology
- Seamless roaming with Virtual Hand-Off Technology
- Wireless connectivity with flexible PoE
- Rugged industrial design with integrated antenna and power connector
- IP68 rated waterproof housing designed for outdoor applications and up to 75°C operating temperature
- Award wireless controller with 1000 DPI channel support

Introduction

The AWK-4131A Series outdoor industrial AP/Bridge/Client meets the growing need for secure and reliable wireless connectivity in industrial environments. The AWK-4131A Series is a rugged industrial wireless AP/Bridge/Client that provides secure and reliable connectivity for industrial environments. The AWK-4131A Series is designed for outdoor applications and up to 75°C operating temperature. The AWK-4131A Series is a rugged industrial wireless AP/Bridge/Client that provides secure and reliable connectivity for industrial environments.

Advanced 802.11n/b/g/n Wireless Technology

- 2x2 MIMO 802.11n/b/g/n MIMO technology
- Seamless roaming with Virtual Hand-Off Technology
- Wireless connectivity with flexible PoE
- Rugged industrial design with integrated antenna and power connector
- IP68 rated waterproof housing designed for outdoor applications and up to 75°C operating temperature
- Award wireless controller with 1000 DPI channel support

Specifications

Key Features

- 2x2 MIMO 802.11n/b/g/n MIMO technology
- Seamless roaming with Virtual Hand-Off Technology
- Wireless connectivity with flexible PoE
- Rugged industrial design with integrated antenna and power connector
- IP68 rated waterproof housing designed for outdoor applications and up to 75°C operating temperature
- Award wireless controller with 1000 DPI channel support

[pdf] Datasheet

Datasheet 2 MOXA AWK 4131A US T controllerservice images products moxa |||

Industrial Wireless LAN Solutions AWK-4131A Series Outdoor industrial IEEE 802.11a/b/g/n wireless AP ... de View Front, Top, and Rear Views Side View Bottom View Ordering Information Available Models **AWK-4131A-US-T**: IEEE 802.11a/b/g/n IP68 wireless AP/bridge/client, US band, -40 to 75C operating tem...

lang:en score:44 filesize: 887.72 K page_count: 3 document date: 2016-08-19

Version	Build	Date	OS
1.12	18090617	N/A	1.12
1.11	18062617	...	1.11

[pdf]

Software Name AWK 3131A 4131A Moxa JP T EU US US Release History moxa media PDIM S100000312 |||

Version Build Date No./ No. Release Date Supported OS 1.12 Build_18090617 N/A 1.11 Build_18062617 ... eatures: N/A AWK-3131A-JP AWK-3131A-JP-T AWK-4131A-EU, AWK-4131A-EU-T Enhancements: AWK-4131A-US, **AWK-4131A-US-T** N/A AWK-4131A-JP AWK-4131A-JP-T AWK-3131A-EU, AWK-3131A-EU-T AWK-3131A-US, AWK-3131A...

lang:en score:30 filesize: 303.01 K page_count: 4 document date: 2018-10-18

Firmware for AWK-3131A Series Release Notes

Version: v1.15 | Build: 20071510

Release Date: Jun 30, 2020

Applicable Products: AWK-3131A Series

Supported Operating Systems: N/A

New Features

- Added 8 channels (total 15) for Client-based Turbo Roaming channel scanning.
- Added support for Turbo Roaming in Sleep Mode.
- Added support for Auto-Login in Client/Router Mode.
- Added support for Wi-Fi Remote Connection Check.
- Added support for WIDS.
- Added In-door/outdoor channel list option.
- Added a progress bar to show the progress of firmware upgrades.
- Added an option to lock user account when entering an invalid password.
- The system will record a system log if the device IP is changed via the Wireless Search Utility.
- Added support for Wi-Fi and Cloud servers.
- Small messages now include device information.
- Added a function to get additional Wireless information.
- Added an option to allow the use of special characters.
- Added support for Remote Diagnostics for on-gopher support.
- Added an option to show the PSK password in clear text.
- Added client location in AP mode.

Sub-announcements

[Bug Fix]

- When in Client Mode, the AWK now takes less time to reconnect after being disconnected by the AP.
- When in Client Mode, the AWK now takes less time to reconnect if MAC Clone is enabled.
- When in Client Mode, the AWK now takes less time to reconnect if the beacon (SIGNAL) packet is lost.
- When in Client Mode, the AWK now takes less time to reconnect when plugging in Ethernet when the WLAN is establishing a connection.

[New UI]

- Long a break time when rebooting the AP or Client.

Bugs Fixed

[Bug Fix]

- The AP responds to unicast probe requests, even if the AP is not the receiver.
- The Client responds to the AP Client Check not have WLAN log.
- Unable to establish a Wi-Fi connection with APs that support 802.11r.
- Connectivity clients are unable to associate with the AP.
- Authentication may fail when the client's security is set to Enterprise mode.
- The SSID mode is changed in Master mode.

[Roaming]

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[pdf] Release Notes

AWK 3131A Series moxa awk 3131a series firmware v1 15 rom Software Release History Moxa media PDIM S100000309

Firmware for AWK-3131A Series Release Notes Version: v1.15 Build: 20071510 Release Date: Jun 30, ... Products AWK-3131A-JP-T, AWK-4131A-JP-T, AWK-3131A-EU-T, AWK-3131A-US-T, AWK-3131A-EU, AWK3131A-US, **AWK-4131A-US-T**, AWK-3131A-JP, AWK-4131A-EU-T Supported Operating Systems N/A New Features IEC 62443...

lang:en score:30 filesize: 77.33 K page_count: 19 document date: 2021-04-01

MOXA

Firmware for AWK-4131A Series Release Notes

Version: v1.15	Build: 20071510
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Release Date: Jun 30, 2018

Applicable Products
AWK-4131A series

Supported Operating Systems
N/A

New Features

- Added 8 channels (total 11) for Client-based Turbo Roaming channel scanning.
- Added support for Turbo Roaming in Sleep Mode.
- Added support for Auto-Login in Client-Router Mode.
- Added support for Wi-Fi Remote Connection Check.
- Added support for WDS.
- Added a progress bar to show the progress of firmware upgrades.
- Added an option to lock user accounts after entering an invalid password.
- The system will record a system log if the device IP is changed via the Wireless Search Utility.
- Added support for WebMail and Change email servers.
- Email messages now include device information.
- Added a function to gather additional WebMail information.
- Added an option to allow the use of special characters.
- Added support for Remote Deployment for on-gener support.
- Added an option to show the PSK password in clear text.
- Added client isolation in AP mode.

Enhancements

[EUI-80]

- When in Client Mode, the AWK now take less time to reconnect after being disconnected by the AP.
- When in Client Mode, the AWK now take less time to reconnect if MAC Clone is enabled.
- When in Client Mode, the AWK now take less time to reconnect if the second DHCP packet is lost.
- When in Client Mode, the AWK now take less time to reconnect when plugging in Ethernet when the WLAN is establishing a connection.

[MerLinx]

- Run a break time when rebooting the AP or Client.

Bug Fixed

[WLAN]

- The AP responds to timeout probe requests, even if the AP is not the router.
- The CAPWAP reply sent by the AP/Client does not have a VLAN tag.
- Unable to establish a WDS connection with APs that support SSID 11.
- Guest-only clients are unable to associate with the AP.
- Authentication may fail when the client's security is set to Enterprise mode.
- The BSS mode is cleared in Master mode.

[Roaming]

- The AWK does not connect to the AP with the strongest signal when there is no AP that satisfies

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[pdf] Release Notes

AWK 4131A Series moxa awk 4131a series firmware v1 15 rom Software Release History Moxa media PDIM S100000312 cn

Firmware for AWK-4131A Series Release Notes Version: v1.15 Build: 20071510

Release Date: Jun 30, ... sion: v1.13 Build: Build_18121215 Release Date: Dec 26, 2018 Applicable Products AWK-3131A-JP-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-3131A-US, AWK-4131A-EU-T, AWK3131A-JP, AWK-3131A-EU, AWK-3131A-E...

lang:en score:30 filesize: 77.3 K page_count: 19 document date: 2021-04-01

MOXA

Firmware for AWK-3131A Series Release Notes

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

Applicable Products
N/A

Supported Operating Systems
N/A

New Features

N/A

Enhancements

- WPA supplicant supports TLS v1.2.
- Client supports option 18 and option 50.
- Upgrade Dynamic version to v2.85.

Bug Fixed

- WDS/Master/Slave mode cannot bridge connections between end devices.
- The wrong web UI is displayed when Enter is pressed after inserting the ping destination address for the ping function.
- The title of web pages has incorrect network IP information.
- Unable to disable WLAN interface access in the client-router mode.
- Unable to send out an SSID report when connected to some third-party APs with hidden SSID.
- System memory leak after enabling S-NMP Trap.
- Unable to ping remote end until the Remote Connection Check recovery mechanism is triggered under client-router mode.
- Unauthenticated HTML5 Injection (Stored XSS) into the System Log web page.
- Unable to disable broadcast SSID when the AirMap function is enabled.

Changes

N/A

Notes

N/A

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[pdf] Release Notes

Release notes AWK 3131A Series WLAN AP Bridge Client MOXA Oct 14 2021 moxa awk 3131a series firmware v1 17 rom Software History cdn cms azureedge net Moxa media PDIM S100000309 |||

Firmware for AWK-3131A Series Release Notes Version: v1.17 Build: N/A Release Date: Oct 14, 2021 ... Products AWK-3131A-JP-T, AWK-4131A-JP-T, AWK-3131A-

EU-T, AWK-3131A-US-T, AWK-3131A-EU, AWK3131A-US, **AWK-4131A-US-T**, AWK-3131A-JP, AWK-4131A-EU-T Supported Operating Systems N/A New Features IEC 62443...

lang:en score:30 filesize: 80.73 K page_count: 21 document date: 2021-10-14

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Firmware for AWK-4131A Series Release Notes

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

Applicable Products
N/A

Supported Operating Systems
N/A

New Features

N/A

Enhancements

- WPA supplicant supports TLS v1.2.
- Client supports option 18 and option 50.
- Upgrade Dynamic version to v2.85.

Bug Fixed

- WDS/Master/Slave mode cannot bridge connections between end devices.
- The wrong web UI is displayed when Enter is pressed after inserting the ping destination address for the ping function.
- The title of web pages has incorrect network IP information.
- Unable to disable WLAN interface access in the client-router mode.
- Unable to send out an SSID report when connected to some third-party APs with hidden SSID.
- System memory leak after enabling S-NMP Trap.
- Unable to ping remote end until the Remote Connection Check recovery mechanism is triggered under client-router mode.
- Unauthenticated HTML5 Injection (Stored XSS) into the System Log web page.
- Unable to disable broadcast SSID when the AirMap function is enabled.

Changes

N/A

Notes

N/A

Released by MOXA ©2021 Moxa Release Notes Page 1 of 21

[pdf] Release Notes

Release notes AWK 4131A Series WLAN AP Bridge Client MOXA Oct 14 2021 moxa awk 4131a series firmware v1 17 rom Software History cdn cms azureedge net Moxa media PDIM S100000312 |||

Firmware for AWK-4131A Series Release Notes Version: v1.17 Build: N/A Release Date: Oct 14, 2021 ... sion: v1.13 Build: Build_18121215 Release Date: Dec 26, 2018

Applicable Products AWK-3131A-JP-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-3131A-US, AWK-4131A-EU-T, AWK3131A-JP, AWK-3131A-EU, AWK-3131A-E...

lang:en score:30 filesize: 80.72 K page_count: 21 document date: 2021-10-14

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Firmware for AWK-3131A Series Release Notes

Version: v1.18	Build: N/A
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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 Orinobus AP.
- Added support for Airco Firmware (MTL).
- Added support for Wireless Link Health Check (AP).

Enhancements

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

Bugs Fixed

N/A

Changes

N/A

Notes

N/A

MOXA Inc. | 1000000309 | Page 1 of 2

[pdf] Release Notes

AWK 3131A WLAN AP MOXA Series moxa awk 3131a series firmware v1 18 rom Software Release History on Moxa media PDIM S100000309 |||

Firmware for AWK-3131A Series Release Notes Version: v1.18 Build: N/A Release Date: Mar 21, 2023 ... Products AWK-3131A-JP-T, AWK-4131A-JP-T, AWK-3131A-EU-T, AWK-3131A-US-T, AWK-3131A-EU, AWK3131A-US, **AWK-4131A-US-T**, AWK-3131A-JP, AWK-4131A-EU-T Supported Operating Systems N/A New Features IEC 62443...

lang:en score:30 filesize: 82.1 K page_count: 22 document date: 2023-03-22

MOXA

Firmware for AWK-4131A Series Release Notes

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

Applicable Products: AWK4131A Series

Supported Operating Systems: N/A

New Features

- Added a Firmware signature-verification mechanism.

Enhancements

N/A

Bugs Fixed

- [CVE-2025-2160] vulnerability
- [CVE-2025-17592] vulnerability
- Large HTTP requests 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 keyexchange algorithms.
- Narrowed the procedure cipher suite for the WDS TLS setting.

Notes

- This firmware complies with the EN 18034-1:2024 standard.

MOXA Inc. | 1000000312 | Page 1 of 2

[pdf] Release Notes

Release notes AWK 4131A Series WLAN AP Bridge Client MOXA moxa awk 4131a series firmware v1 20 zip Software History cdn cms frontdoor dfc8ebanh6bkb3hs a02 azurefd net Moxa media PDIM S100000312 |||

Firmware for AWK-4131A Series Release Notes Version: v1.20 Build: N/A Release Date: Jul 25, 2025 ... sion: v1.13 Build: Build_18121215 Release Date: Dec 26, 2018 Applicable Products AWK-3131A-JP-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-3131A-US, AWK-4131A-EU-T, AWK3131A-JP, AWK-3131A-EU, AWK-3131A-E... lang:en score:30 filesize: 85.5 K page_count: 24 document date: 2025-07-24

MOXA

EU Declaration of Conformity

We, the manufacturer,

Manufacturer	Moxa Inc. No. 111, Heping Rd., Baka Dist., Taoyuan City, Taiwan 334
Authorized Representative in Europe	Moxa Europe GmbH Rue Sandre Strotheldstrasse 25, Haus 8 81473 Munich, Germany

hereby declare, under our sole responsibility that the following products conform with the EU directives and standards listed in this document.

Product Type	Wireless AP/Bridge/Client
Models	AWK4131A-EU-T, AWK4131A-JP-T, AWK4131A-US-T

The product models listed above comply with the following EU directives and their relevant standards.

Electromagnetic Compatibility Directive (2014/53/EU)	EN IEC 61320-4-2:2013, EN IEC 61320-4-2:2013, EN 301 489 V2.2.1:2018, EN 301 489 V2.2.1:2018, EN 50123-1:2017, EN 50124-1:2016
Low Voltage Directive (2014/34/EU)	EN IEC 62385-2:2020/011:2020
Radio Equipment Directive (2014/53/EU)	EN IEC 62385-2:2020/011:2020
Batteries Directive (2011/65/EU) and (EU) 2019/1040	EN IEC 61969:2018

Steve Wang
Vice President, Quality Management Division
27 June 2025

[pdf] Declaration of Conformity

v1 3 Wade PT Wang AWK 4131A Series WLAN AP Bridge Client MOXA moxa declaration of conformity for awk 4131a series 0 cdn cms frontdoor dfc8ebanh6bkb3hs a02 azurefd net getmedia 62371ba6 7093 4df7 8e5a 9ce005cc6647 |||

EU Declaration of Conformity We, the manufacturer, Manufacturer Authorized Representative in Europ ... d in this document. Product Type Models Wireless AP/bridge/client AWK-4131A-EU-T, AWK-4131A-JP-T, **AWK-4131A-US-T** The product models listed above comply with the following EU directives and their re... lang:en score:29 filesize: 314.76 K page_count: 2 document date: 2025-06-27

MOXA

Firmware for AWK-4131A Series Release Notes

Version: v1.13	Build: 18121215
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Release Date: Dec 26, 2018

Applicable Products
 AWK-4131A-JP-T, AWK-4131A-US-T, AWK-4131A-JP-T, AWK-4131A-US, AWK-4131A-EU-T, AWK-4131A-US, AWK-4131A-EU-T, AWK-4131A-US-T, AWK-4131A-EU-T

Supported Operating Systems
 N/A

New Features

- IEEE 802.11n-2 support
- 3-32MB/s throughput
- Auto certificate support

Enhancements
 N/A

Bugs Fixed

- Abnormal roaming handoff time if MAC clone is enabled
- Device without IP if received an abnormal beacon which does not follow IEEE standards
- Issue with the error handler for abnormal WiFi packets
- Station mode of WLAN flash does not work for DHCP clients in Client-Router mode

Changes
 N/A

Notes
 N/A

Firmware for AWK-4131A Series Release Notes Page 1 of 2

[pdf] Release Notes

Firmware for AWK 4131A Series Release Notes Moxa WLAN Supports the system log version 2 AeroMag Adds channel analysis and applying configuration moxa awk 4131a series firmware v1 13 rom Software History cn media PDIM S100000312 |||

Firmware for AWK-4131A Series Release Notes Version: v1.13 Build: Build_18121215 Release Date: Dec 26, 2018 Applicable Products AWK-3131A-JP-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-3131A-US, AWK-4131A-EU-T, AWK3131A-JP, AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-US-T Supported Operating Systems N/A ...

lang:en score:29 filesize: 69.87 K page_count: 15 document date: 2020-06-30

MOXA

Firmware for AWK-4131A Series Release Notes

Version: v1.18	Build: N/A
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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 320Mbps APD
- Added support for Jumbo Frame (MTU)
- Added support for Wireless Link Health Check (AP)

Enhancements

- Added the AI Channel option for Client-based Turbo Roaming

Bugs Fixed
 N/A

Changes
 N/A

Notes
 N/A

Firmware for AWK-4131A Series Release Notes Page 1 of 2

[pdf] Release Notes

Firmware for AWK 4131A Series Release Notes Moxa Roaming The does not connect to the AP with strongest signal when there is no that satisfies RSSI keep alive threshold Security moxa awk 4131a series firmware v1 18 rom Software History media PDIM S100000312 |||

Firmware for AWK-4131A Series Release Notes Version: v1.18 Build: N/A Release Date: Mar 21, 2023 ... sion: v1.13 Build: Build_18121215 Release Date: Dec 26, 2018 Applicable Products AWK-3131A-JP-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-3131A-US, AWK-4131A-EU-T, AWK3131A-JP, AWK-3131A-EU, AWK-3131A-E... lang:en score:29 filesize: 82.1 K page_count: 22 document date: 2025-01-06

AWK-4131A Series

Outdoor industrial IEEE 802.11a/b/g/n wireless AP/bridge/client



Features and Benefits

- Dual MIMO 802.11a/b/g/n AP/bridge/client
- Enhanced dual Client-based Turbo Roaming
- Easy setup and deployment with AeroMag
- Wireless redundancy with AeroLink Protection
- Easy network setup with Network Address Translation (NAT)
- Rugged industrial design with integrated antenna and power isolation
- IP66-rated weatherproof housing designed for outdoor applications and -40 to 70°C wide operating temperature range
- Avoid wireless congestion with 5-GHz DFS channel support

Certifications



Introduction

The AWK-4131A IP66 outdoor industrial AP/bridge/client meets the growing need for faster data transmission speeds by supporting 802.11n technology and offering 200Mbps transmission rate and dual 5GHz radios. The AWK-4131A is consistent with industry standards and supports channel bonding, MIMO, power beam, channel bonding, 802.11n, 802.11ac, and 802.11k. The new industrial IP66-rated housing provides the stability of the product range, and the AWK-4131A can be powered via PoE to ease deployment. The AWK-4131A can operate in either the 2.4GHz or 5GHz band and is backwards-compatible with existing IEEE 802.11a/b/g/n equipment to ease product line replacement. The AWK-4131A can be used for the 802.11n network management utility situation for 802.11n wireless network connections to ensure you do not lose 80.1% connectivity.

Advanced 802.11n Industrial Wireless Solution

- High-throughput industrial-grade AP/bridge/client
- Support 802.11n-2 for long-distance wireless communication with up to 1 km line of sight and external high-gain antenna (available only on 5 GHz)
- Support 802.11n-2 for extended connectivity
- DFS channel support allows wider range of DFS channel selection to avoid interference from existing wireless infrastructure

Advanced Wireless Technology for Mission-critical Applications

- Seamless roaming with dual Client Turbo Roaming for 100 ms roaming recovery time between APs (Client move)
- Seamless roaming with dual Client Turbo Roaming for 100 ms roaming recovery time between APs (Client move)
- Seamless roaming with dual Client Turbo Roaming for 100 ms roaming recovery time between APs (Client move)
- Support AeroMag Protection for creating a redundant wireless link > 100 ms recovery time between APs and their clients

Industrial Resilience

- Integrated antenna and power isolation designed to provide 80V insulation protection against external electrical interference
- IP66-rated housing for complete ingress protection for outdoor use
- All-to-70°C wide operating temperature range suitable for harsh wireless communication in harsh environments

Wireless Network Management With Moxa Wireless

- Dynamic topology view shows the status of wireless links and connection changes in a glance
- Real-time network monitoring and troubleshooting to resolve the existing history of clients
- Detailed device information and performance indicators charts for individual AP and client device

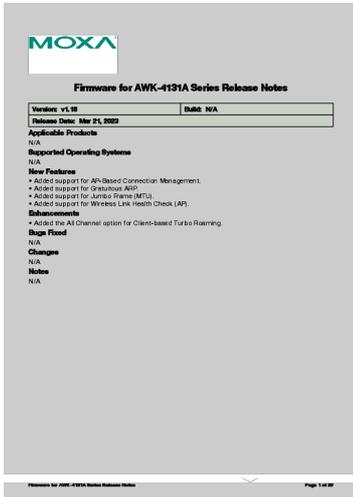
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MOXA www.moxa.com

[pdf] User Manual Datasheet

Mar 29 2021 AWK 4131A Series Moxa may also impact roaming performance For more information about Turbo Roaming parameter settings refer to the product manual Updated Datasheet moxa getmedia 2def7ca2 3217 4b8d a37d 25857950dcd4

AWK-4131A Series Outdoor industrial IEEE 802.11a/b/g/n wireless AP/bridge/client Features and Benefi ... y card 5 www.moxa.com Dimensions Ordering Information Model Name AWK-4131A-EU-T AWK-4131A-JP-T **AWK-4131A-US-T** Band EU JP US Standards 802.11a/b/g/n 802.11a/b/g/n 802.11a/b/g/n Operating Temp. ... lang:en score:29 filesize: 964.26 K page_count: 7 document date: 2021-04-01



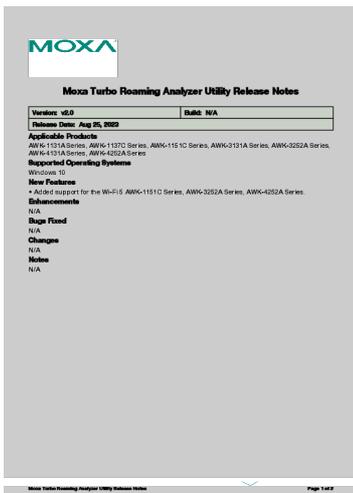
[\[pdf\]](#) Release Notes

Firmware for AWK 4131A Series Release Notes 2023 03 21 — Quick setup If RF type is pure N WEP not supported WEB User lever user Interoperability with Cisco Aruba Ruckus AP by sending EAPOL frame QOS moxa awk 4131a series firmware v1 18 rom Software History Moxa media PDIM S100000312 ||| Firmware for AWK-4131A Series Release Notes Version: v1.18 Build: N/A Release Date: Mar 21, 2023 ... sion: v1.13 Build: Build_18121215 Release Date: Dec 26, 2018 Applicable Products AWK-3131A-JP-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-3131A-US, AWK-4131A-EU-T, AWK3131A-JP, AWK-3131A-EU, AWK-3131A-E... lang:en score:29 filesize: 82.09 K page_count: 22 document date: 2023-03-22



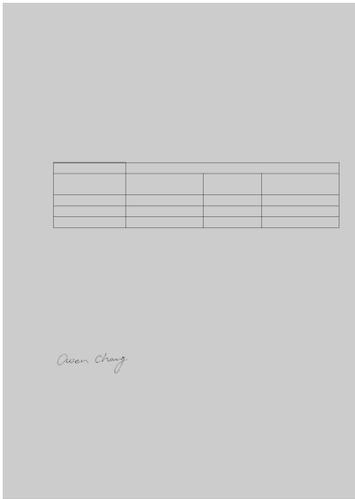
[\[pdf\]](#) User Manual Specifications

AWK 4131A Series Industrial Wireless LAN Solutions 1 moxa Introduction Specifications The IP68 outdoor industrial AP bridge client meets the growing need for faster data transmission speeds by supporting US T icomtechinc images product manual 802 11a b g n Access Point Band 40 Degree C to 75 Controller iComTech ||| Industrial Wireless LAN Solutions AWK-4131A Series Outdoor industrial IEEE 802.11a/b/g/n wireless AP ... de View Front, Top, and Rear Views Side View Bottom View Ordering Information Available Models **AWK-4131A-US-T**: IEEE 802.11a/b/g/n IP68 wireless AP/bridge/client, US band, -40 to 75C operating tem... lang:en score:28 filesize: 886.02 K page_count: 3 document date: 2016-05-26



[Moxa Turbo Roaming Analyzer Utility Release Notes - Version History](#)

Official release notes for the Moxa Turbo Roaming Analyzer Utility, detailing updates, new features, and applicable products for versions v2.0 and v1.0. lang:en score:28 filesize: 43.33 K page_count: 2 document date: 2023-12-25



[pdf] Declaration of Conformity Test Report

Microsoft Word AWK 4131A XXXXX Declaration Letter Master Device Jinn pc 2 Moxa Inc WAPN008 Industrial 802 11a b g n Outdoor Access Point SLE SLEWAPN008 wapn008 Declaration Letter We, the undersigned MOXA Inc. hereby declare. The device FCC ID: SLE-WAPN008 comp ... w. Control Method Model No. PoE input function Max operation Market purpose PoE Temp -T **AWK-4131A-US-T** Yes -40C to 75C Sale to North America AWK-4131A-EU-T Yes -40C to 75C Sale to Eur... lang:en score:26 filesize: 134.62 K page_count: 1 document date: 2015-08-24



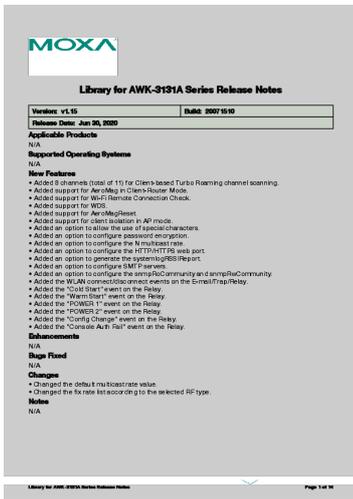
[pdf]

AWK 4131A Series moxa cn upload AWK-4131A IEEE 802.11n IP68AP// IEEE 802.11a/b/g/n AP// Turbo Roaming AeroLink Protection ... a moxa.com : mm 147.74 5.82 168.77 6.64 61.5 2.42 66.5 2.62 / 224 8.82 **AWK-4131A-US-T**: IEEE 802.11a/b/g/n IP68AP, US Band, -40 - 75C AWK-4131A-EU-T: IEEE 802.11a/b/g/n IP6... lang:en score:26 filesize: 1.43 M page_count: 3 document date: 2016-09-26



[pdf] Release Notes

IEEE 802 11a b g n ac 2 4 802.11 5x2x2 2SS PoE IP30 40 75°C Moxa moxa turbo roaming analyzer utility v2 0 msi software release history ru files Release notes ||| moxa-turbo-roaming-analyzer-utility Release Notes Version: v2.0 Build: N/A Release Date: Aug 25, ... 131A-US-T, AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-JP, AWK-3131A-JP-T, AWK-3131AUS, AWK-3131A-US-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-4131A-EU-T, AWK-1137C-EU, AWK-1137C-EU-T, AWK-1137C-JP, AWK-1137... lang:en score:25 filesize: 42.94 K page_count: 2 document date: 2023-08-28

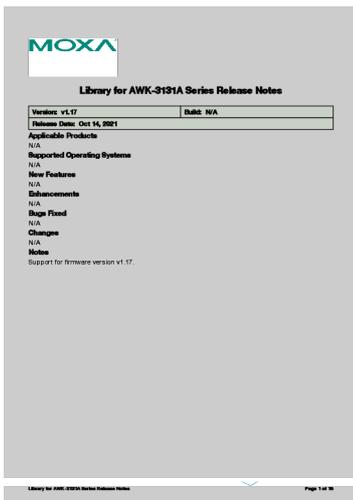


[pdf] Release Notes

AWK 3131A Series moxa awk 3131a series library v1 15 my Software Release History Moxa media PDIM S100000309

Library for AWK-3131A Series Release Notes Version: v1.15 Build: 20071510 Release Date: Jun 30, 2 ... e Products AWK-3131A-JP, AWK-4131A-EU-T, AWK-3131A-JP-T, AWK-3131A-EU, AWK-3131A-US, AWK3131A-EU-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-3131A-US-T Supported Operating Systems N/A New Features Functio...

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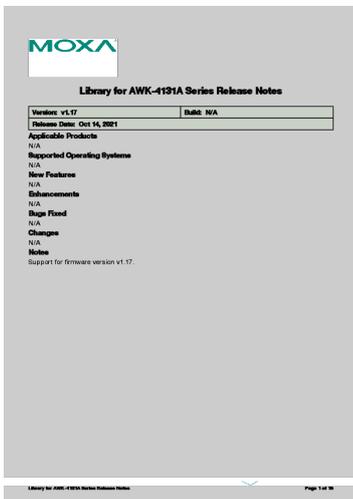


[pdf] Release Notes

Release notes AWK 3131A Series WLAN AP Bridge Client MOXA Oct 14 2021 moxa awk 3131a series library v1 17 my Software History cdn cms azureedge net Moxa media PDIM S100000309 |||

Library for AWK-3131A Series Release Notes Version: v1.17 Release Date: Oct 14, 2021 Applicable Pro ... e Products AWK-3131A-JP, AWK-4131A-EU-T, AWK-3131A-JP-T, AWK-3131A-EU, AWK-3131A-US, AWK3131A-EU-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-3131A-US-T Supported Operating Systems N/A New Features Functio...

lang:en score:25 filesize: 64.61 K page_count: 16 document date: 2021-10-14

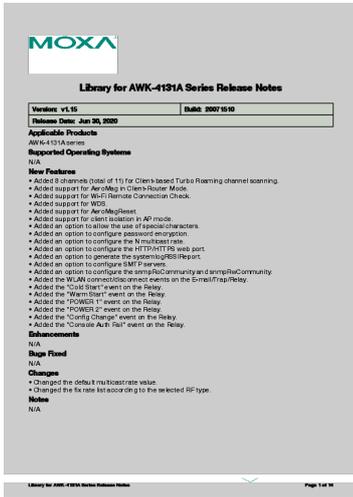


[pdf] Release Notes

Release notes AWK 4131A Series WLAN AP Bridge Client MOXA Oct 14 2021 moxa awk 4131a series library v1 17 my Software History cdn cms azureedge net Moxa media PDIM S100000312 |||

Library for AWK-4131A Series Release Notes Version: v1.17 Release Date: Oct 14, 2021 Applicable Pro ... Id: Build_18121215 Release Date: Dec 26, 2018 Applicable Products AWK-4131A-EU-T, AWK-4131A-JP-T, **AWK-4131A-US-T** Supported Operating Systems N/A New Features Function to enable/disable SSL Certific...

lang:en score:25 filesize: 64.59 K page_count: 16 document date: 2021-10-14



[pdf] Release Notes

AWK 4131A Series moxa awk 4131a series library v1 15 my Software Release History Moxa media PDIM S100000312 cn

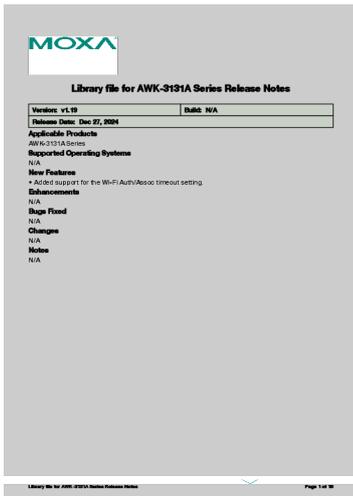
Library for AWK-4131A Series Release Notes Version: v1.15 Build: 20071510

Release Date: Jun 30, 2 ... Id: Build_18121215 Release Date: Dec 26, 2018

Applicable Products AWK-4131A-EU-T, AWK-4131A-JP-T, **AWK-4131A-US-T**

Supported Operating Systems N/A New Features Function to enable/disable SSL Certific...

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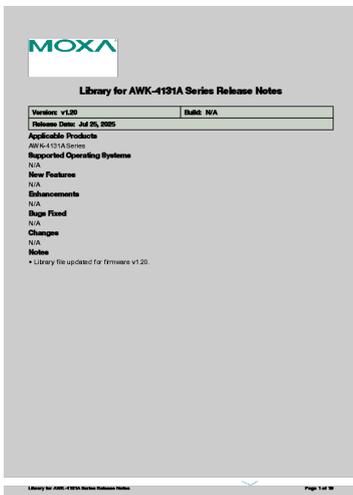


[pdf] Release Notes

Release notes AWK 3131A Series WLAN AP Bridge Client MOXA moxa awk 3131a series library v1 19 my Software History cdn cms frontdoor dfc8ebanh6bkb3hs a02 azurefd net Moxa media PDIM S100000309 |||

Library file for AWK-3131A Series Release Notes Version: v1.19 Build: N/A Release Date: Dec 27, 2 ... e Products AWK-3131A-JP, AWK-4131A-EU-T, AWK-3131A-JP-T, AWK-3131A-EU, AWK-3131A-US, AWK3131A-EU-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-3131A-US-T Supported Operating Systems N/A New Features Functio...

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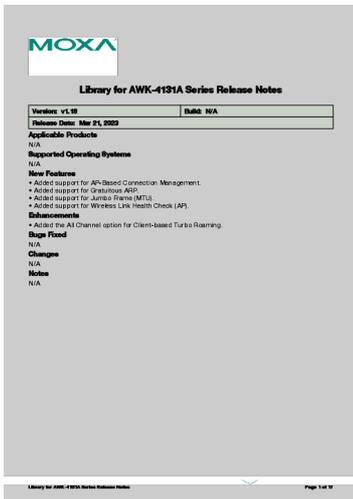


[pdf] Release Notes

Release notes AWK 4131A Series WLAN AP Bridge Client MOXA moxa awk 4131a series library v1 20 my Software History cdn cms frontdoor dfc8ebanh6bkb3hs a02 azurefd net Moxa media PDIM S100000312 |||

Library for AWK-4131A Series Release Notes Version: v1.20 Release Date: Jul 25, 2025 Applicable Pro ... Id: Build_18121215 Release Date: Dec 26, 2018 Applicable Products AWK-4131A-EU-T, AWK-4131A-JP-T, **AWK-4131A-US-T** Supported Operating Systems N/A New Features Function to enable/disable SSL Certific...

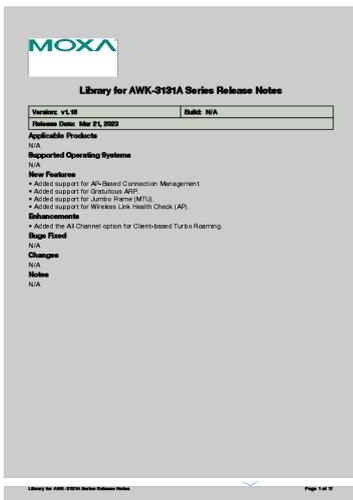
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[\[pdf\]](#) Release Notes

AWK 4131A WLAN AP MOXA Series moxa awk 4131a series library v1 18 my Software Release History cn Moxa media PDIM S100000312 |||

Library for AWK-4131A Series Release Notes Version: v1.18 Build: N/A Release Date: Mar 21, 2023 ... Id: Build_18121215 Release Date: Dec 26, 2018 Applicable Products AWK-4131A-EU-T, AWK-4131A-JP-T, **AWK-4131A-US-T** Supported Operating Systems N/A New Features Function to enable/disable SSL Certific... lang:en score:25 filesize: 65.97 K page_count: 17 document date: 2023-03-22

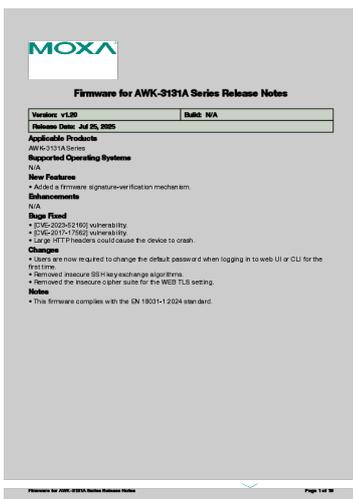


[\[pdf\]](#) Release Notes

AWK 3131A WLAN AP MOXA Series moxa awk 3131a series library v1 18 my Software Release History cn Moxa media PDIM S100000309 |||

Library for AWK-3131A Series Release Notes Version: v1.18 Build: N/A Release Date: Mar 21, 2023 ... e Products AWK-3131A-JP, AWK-4131A-EU-T, AWK-3131A-JP-T, AWK-3131A-EU, AWK-3131A-US, AWK3131A-EU-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-3131A-US-T Supported Operating Systems N/A New Features Functio...

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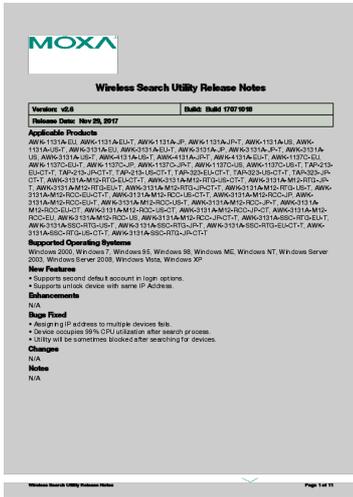


[\[pdf\]](#) Release Notes

Release notes AWK 3131A Series WLAN AP Bridge Client MOXA moxa awk 3131a series firmware v1 20 zip Software History cdn cms frontdoor dfc8ebanh6bbk3hs a02 azurefd net Moxa media PDIM S100000309 |||

Firmware for AWK-3131A Series Release Notes Version: v1.20 Build: N/A Release Date: Jul 25, 2025 ... e Products AWK-3131A-JP, AWK-4131A-EU-T, AWK-3131A-JP-T, AWK-3131A-EU, AWK-3131A-US, AWK3131A-EU-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-3131A-US-T Supported Operating Systems N/A New Features Functio...

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[pdf] Release Notes

OnCell G3470A LTE Series moxa wireless search utility v2 6 zip Software Release History Moxa media PDIM S100000297

Wireless Search Utility Release Notes Version: v2.6 Build: Build 17071018 Release Date: Nov 29, 2 ... 131A-US-T, AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-JP, AWK-3131A-JP-T, AWK-3131AUS, AWK-3131A-US-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-4131A-EU-T, AWK-1137C-EU, AWK-1137C-EU-T, AWK-1137C-JP, AWK-1137...

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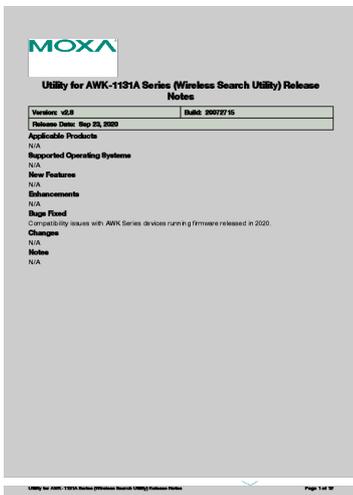


[pdf] Release Notes

OnCell G3150A LTE Series moxa wireless search utility v2 6 zip Software Release History cn Moxa media PDIM S100000289

Wireless Search Utility Release Notes Version: v2.6 Build: Build 17071018 Release Date: Nov 29, 2 ... 131A-US-T, AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-JP, AWK3131A-JP-T, AWK-3131A-US, AWK-3131A-US-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-4131A-EU-T, AWK-1137C-EU, AWK-1137C-EU-T, AWK-1137C-JP, AWK-1137C...

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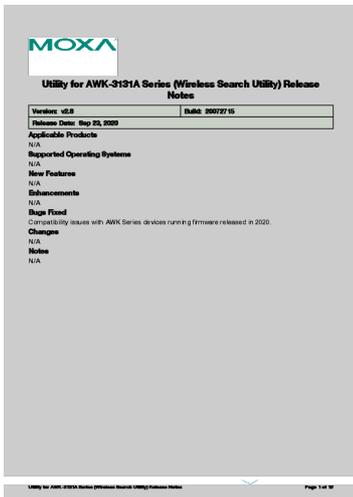


[pdf] Release Notes

AWK 1131A Series moxa awk 1131a series wireless search utility v2 8 zip Software Release History Moxa media PDIM S100000314

Utility for AWK-1131A Series Wireless Search Utility Release Notes Version: v2.8 Build: 20072715 ... 131A-US-T, AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-JP, AWK-3131A-JP-T, AWK-3131AUS, AWK-3131A-US-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-4131A-EU-T, AWK-1137C-EU, AWK-1137C-EU-T, AWK-1137C-JP, AWK-1137...

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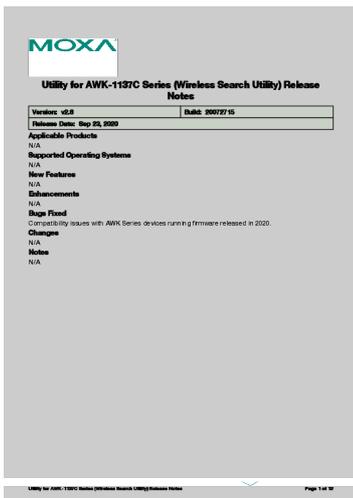


[\[pdf\]](#) Release Notes

AWK 3131A Series moxa awk 3131a series wireless search utility v2 8 zip Software Release History
Moxa media PDIM S100000309

Utility for AWK-3131A Series Wireless Search Utility Release Notes Version: v2.8
Build: 20072715 ... 131A-US-T, AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-JP, AWK-3131A-JP-T, AWK-3131AUS, AWK-3131A-US-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-4131A-EU-T, AWK-1137C-EU, AWK-1137C-EU-T, AWK-1137C-JP, AWK-1137...

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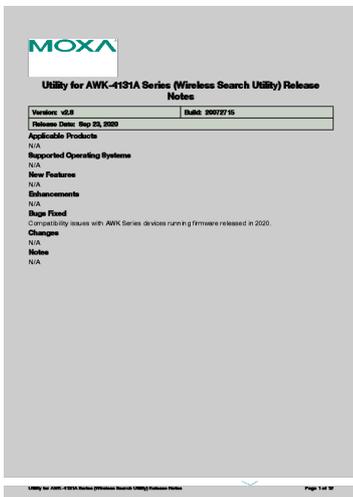


[\[pdf\]](#) Release Notes

AWK 1137C Series moxa awk 1137c series wireless search utility v2 8 zip Software Release History
Moxa media PDIM S100000315

Utility for AWK-1137C Series Wireless Search Utility Release Notes Version: v2.8
Build: 20072715 ... 131A-US-T, AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-JP, AWK-3131A-JP-T, AWK-3131AUS, AWK-3131A-US-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-4131A-EU-T, AWK-1137C-EU, AWK-1137C-EU-T, AWK-1137C-JP, AWK-1137...

lang:en score:25 filesize: 60.52 K page_count: 12 document date: 2020-09-28



[\[pdf\]](#) Release Notes

AWK 4131A Series moxa awk 4131a series wireless search utility v2 8 zip Software Release History
Moxa media PDIM S100000312 cn

Utility for AWK-4131A Series Wireless Search Utility Release Notes Version: v2.8
Build: 20072715 ... 131A-US-T, AWK-3131A-EU, AWK-3131A-EU-T, AWK-3131A-JP, AWK-3131A-JP-T, AWK-3131AUS, AWK-3131A-US-T, **AWK-4131A-US-T**, AWK-4131A-JP-T, AWK-4131A-EU-T, AWK-1137C-EU, AWK-1137C-EU-T, AWK-1137C-JP, AWK-1137...

lang:en score:25 filesize: 60.5 K page_count: 12 document date: 2020-09-28

AWK-4131A 系列
IEEE 802.11a/b/g/n 户外工业无线 AP/bridge/client



特点优势

- 2x2 MIMO 802.11a/b/g/n AP/Bridge/client
- 基于 Turbo Roa 的 Turbo Flowing 快速漫游
- AutoMag 自适应、功耗控制及节能
- AutoMag 保护、防止非法设备接入
- 网络冗余性 (NAT) 防止网络阻塞
- 空频帧冗余 (AFR) 防止数据丢失
- 支持 5 GHz DFS 免扰、避免无线设备干扰

认证

CE, FCC, RoHS, WEEE

介绍

AWK-4131A 户外工业无线 AP/bridge/client 支持 802.11n 标准，采用多天线技术，支持高达 300 Mbps 的 2x2 MIMO 带宽，满足了工业环境中对高带宽的需求。AWK-4131A 支持 IEEE 802.11a/b/g/n 标准，支持 5 GHz 频段，支持高达 300 Mbps 的 2x2 MIMO 带宽，支持高达 300 Mbps 的 2x2 MIMO 带宽，支持高达 300 Mbps 的 2x2 MIMO 带宽。

先进 802.11n 工业无线解决方案

- 2x2 MIMO 802.11a/b/g/n AP/Bridge/client
- 基于 Turbo Roa 的 Turbo Flowing 快速漫游
- AutoMag 自适应、功耗控制及节能
- AutoMag 保护、防止非法设备接入
- 网络冗余性 (NAT) 防止网络阻塞
- 空频帧冗余 (AFR) 防止数据丢失
- 支持 5 GHz DFS 免扰、避免无线设备干扰

先进无线技术，提升网络性能

- 支持 Turbo Roa 快速漫游技术，支持高达 300 Mbps 的 2x2 MIMO 带宽
- AutoMag 自适应、功耗控制及节能
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工业级耐用性

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规格

WLAN 接口	802.11a/b/g/n 802.11n 无线安全
调制类型	OFDM MIMO-OFDM
传输速率 (理论值)	2.4 GHz: 2.484 Gbps (11 通道) 5 GHz: 2.484 Gbps (11 通道)

MOXA

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AWK-4131A IEEE 802.11a/b/g/n AP/bridge/client 2x2 MIMO 802.11a/b/g/n AP/bridge/client Turbo Roa ... M12 1 x RJ45 1 x 1 x RJ45 1 x 2 x 2 x 2.4/5 GHz 1 x 1 x AWK-4131A-EU-T AWK-4131A-JP-T **AWK-4131A-US-T** EU JP US 802.11a/b/g/n 802.11a/b/g/n 802.11a/b/g/n 5 -40 75C -40 75C -40 75...

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AWK-4131A Series
Outdoor industrial IEEE 802.11a/b/g/n wireless AP/bridge/client



Features and Benefits

- 2x2 MIMO 802.11a/b/g/n AP/Bridge/client
- MIMO-based Client-based Turbo Flowing
- Easy setup and deployment with AutoMag
- Wireless redundancy with AutoMag Protection
- Rugged industrial design with integrated antenna and power isolation
- IP65-rated weatherproof housing designed for outdoor applications and -40 to 75 °C wide operating temperature range
- Avoid wireless congestion with 5 GHz DFS channel support

认证

CE, FCC, RoHS, WEEE

Introduction

The AWK-4131A Series outdoor industrial AP/bridge/client meets the growing need for faster data transmission speeds by supporting 802.11n technology and offering 2x2 MIMO communication with a max data rate of up to 300 Mbps. The AWK-4131A is compliant with the other standards and supports existing operating temperature range of -40 to 75 °C. The AWK-4131A is compliant with the other standards and supports existing operating temperature range of -40 to 75 °C. The AWK-4131A is compliant with the other standards and supports existing operating temperature range of -40 to 75 °C.

Advanced 802.11n Industrial Wireless Solution

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Advanced Wireless Technology for Mission-Critical Applications

- MIMO-based Client-based Turbo Flowing for < 100 ms roaming recovery time between APs and their clients
- AutoMag Protection for creating a redundant wireless link > 300 ms recovery time between APs and their clients

Industrial Resilience

- Rugged industrial design with integrated antenna and power isolation
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- Avoid wireless congestion with 5 GHz DFS channel support

Specifications

WLAN Interface	802.11a/b/g/n 802.11n Wireless Security
Modulation Type	OFDM MIMO-OFDM
Frequency Band for US (2.4 GHz operating channel)	2.412 to 2.484 GHz (11 channels) 5.180 to 5.250 GHz (8 channels)

MOXA

Moxa AWK-4131A Series: Industrial 802.11a/b/g/n Wireless AP/Bridge/Client

Detailed specifications and features of the Moxa AWK-4131A Series, an outdoor industrial wireless AP/bridge/client supporting 802.11n for high-speed data transmission in harsh environments.

lang:en score:22 filesize: 968.01 K page_count: 7 document date: 2019-09-05

AWK-4131A Series
Outdoor industrial IEEE 802.11a/b/g/n wireless AP/bridge/client



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AWK-4131A Series Outdoor industrial IEEE 802.11a/b/g/n wireless AP/bridge/client Features and Benefi ... installation guide 1 x warranty card Ordering Information Model Name AWK-4131A-EU-T AWK-4131A-JP-T **AWK-4131A-US-T** Band EU JP US Standards 802.11a/b/g/n 802.11a/b/g/n 5 Operating Tem... lang:en score:22 filesize: 826.68 K page_count: 7 document date: 2018-11-12

AWK-4131A Series

Outdoor industrial IEEE 802.11a/b/g/n wireless AP/bridge/client



Features and Benefits

- 2x2 MIMO 802.11a/b/g/n AP/Bridge/Client
- MIMO-based Level Client-based Turbo Roaming
- Easy setup and deployment with AutoMAG
- Wireless redundancy with AutoLink Protection
- Easy network setup with Network Address Translation (NAT)
- Rugged industrial design with integrated antenna and power indicator
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Certifications



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The AWK-4131A Series outdoor industrial AP/Bridge/Client meets the growing need for faster data transmission speeds by supporting 802.11n technology and offering 2x2 MIMO communication with a total data rate of up to 300 Mbps. The AWK-4131A is compliant with all major standards and supports multiple channels for better channel utilization. It also supports 5 GHz, which offers the best performance for outdoor applications. The AWK-4131A is designed with rugged industrial design and the AWK-4131A is compliant with 802.11a/b/g/n standards. The AWK-4131A is compliant with all major standards and supports multiple channels for better channel utilization. It also supports 5 GHz, which offers the best performance for outdoor applications. The AWK-4131A is designed with rugged industrial design and the AWK-4131A is compliant with 802.11a/b/g/n standards.

Advanced 802.11n Industrial Wireless Solution

- 802.11n high-speed AP/Bridge/Client for faster deployment
- Software-supported for long distance wireless communication up to 1 km line of sight and external high-gain antenna (available only on V1)
- Supports 16 clients connected concurrently
- DFS channel support allows a wider range of 5 GHz channel selection to avoid interference from existing wireless infrastructure

Advanced Wireless Technology for Mission-critical Applications

- Seamless roaming with client-based Turbo Roaming for 100 ms roaming recovery time between APs (Client mode)
- Seamless roaming with client-based Turbo Roaming for 100 ms roaming recovery time between APs (Client mode)

Industrial Resilience

- Integrated antenna and power indicator designed to provide 300 V insulation protection against external electrical interference
- IP65-rated metal casing for complete rugged protection for any outdoor weather
- 5000+ hours operating temperature tested to provide 24/7 operation for mission-critical applications

Wireless Network Management With Moxiewireless

- Dynamic roaming from client mode of wireless AP and wireless bridge
- Manual, wireless roaming/feedback function to review the roaming history of client
- Dynamic remote management and performance optimization for wireless AP and wireless bridge

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Feb 25 2022 Download datasheet AWK 4131A Series WLAN AP Bridge Client MOXA moxa awk 4131a series v1 11 cdn cms azureedge net getmedia 79cc0a84 a374 4fbc a20d 0a6b87fd53aa |||

AWK-4131A Series Outdoor industrial IEEE 802.11a/b/g/n wireless AP/bridge/client Features and Benefi ... y card 5 www.moxa.com Dimensions Ordering Information Model Name AWK-4131A-EU-T AWK-4131A-JP-T **AWK-4131A-US-T** Band EU JP US Standards 802.11a/b/g/n 802.11a/b/g/n 802.11a/b/g/n Operating Temp. ... lang:en score:22 filesize: 963.37 K page_count: 7 document date: 2022-02-25

AWK-4131A Series

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Aug 17 2022 Moxa Awk 4131a Series Datasheet V1 12AWK 4131A US T Wireless Access Point Bridge Client Industrial IT Systemsmoxa awk series datasheet v1 12industrialitsystems media resources moxa 12 |||

AWK-4131A Series Outdoor industrial IEEE 802.11a/b/g/n wireless AP/bridge/client Features and Benefi ... y card 5 www.moxa.com Dimensions Ordering Information Model Name AWK-4131A-EU-T AWK-4131A-JP-T **AWK-4131A-US-T** Band EU JP US Standards 802.11a/b/g/n 802.11a/b/g/n 802.11a/b/g/n Operating Temp. ... lang:en score:22 filesize: 963.38 K page_count: 7 document date: 2022-08-17