

# **AWK-4131A Series Quick Installation Guide**

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**Moxa AirWorks**

**Version 6.4, September 2025**

**Technical Support Contact Information**  
**[www.moxa.com/support](http://www.moxa.com/support)**



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**P/N: 1802041310028**



# Overview

The AWK-4131A IP68 outdoor industrial AP/bridge/client meets the growing need for faster data transmission speeds by supporting 802.11n technology and allowing 2X2 MIMO communication with a net data rate of up to 300 Mbps. The AWK-4131A is compliant with industrial standards and approvals covering operating temperature, power input voltage, surge, ESD, and vibration. The two redundant DC power inputs increase the reliability of the power supply, and the AWK-4131A can be powered via PoE to make deployment easier. The AWK-4131A can operate on either the 2.4 or 5 GHz bands and is backwards compatible with existing 802.11a/b/g deployments to future-proof your investments in wireless networks.

## Notes for the Reader



### WARNING

Indicates that death or personal injury may occur if proper precautions are not taken.



### ATTENTION

Indicates that possible damage to this product or your property may result if proper precautions are not taken.

**NOTE** Highlights important information related to this product.

## Hardware Setup

This section covers the hardware setup of the AWK-4131A.

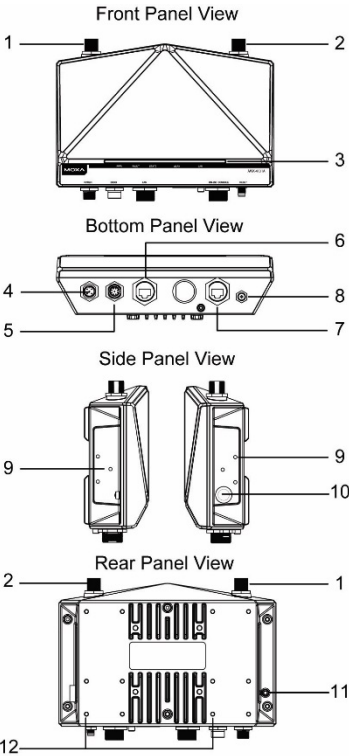
### Package Checklist

Moxa’s AWK-4131A is shipped with the following items. If any of these items are missing or damaged, please contact your customer service representative for assistance.

- AWK-4131A wireless AP/bridge/client
- 2 2.4/5 GHz antennas: ANT-WDB-ANM-0306
- Wall-mounting kit (includes 2 supports)
- Field-installable power plug
- Field-installable RJ45 plug
- Metal cap to cover RJ45 connector
- Metal cap to cover M12 female connector
- Transparent plastic sticks for field-installable plugs
- Quick installation guide (printed)
- Warranty card

**NOTE** The above items come with the AWK-4131A standard version. The package contents for customized versions may be different.

Panel Layout of the AWK-4131A



- 1. Antenna A port
- 2. Antenna B port
- 3. LEDs for PWR, FAULT, STATE, WLAN, and LAN
- 4. M12 A-coded connector for PWR1 and PWR2
- 5. M12 8-pin connector for DI/DO
- 6. 10/100/1000BaseT(X) RJ45 Port
- 7. RS-232 console port
- 8. Reset button
- 9. Screw holes for wall mounting
- 10. Waterproof vent
- 11. Grounding screw (M4)
- 12. Screw holes for DIN-rail mounting

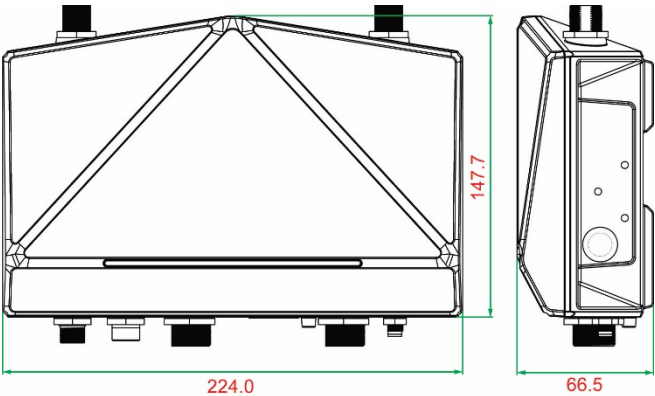


ATTENTION

Please DO NOT open or remove the vent **10**. The warranty will be invalid if the seal is removed.

All exposed connectors, including **1, 2, 4 - 8**, should be tightly covered with suitable caps when they are not in use.

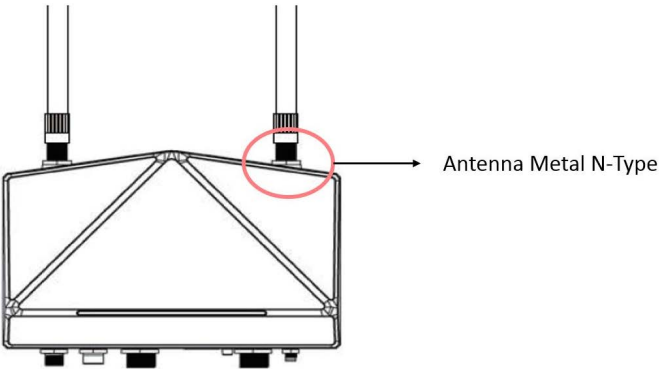
**Mounting Dimensions**



**Unit = mm**

**Attaching Antennas**

By default, the AWK-4131A comes with two dual-band omni-directional antennas. Attach the antennas as illustrated below:



**STEP 1:**

Use your fingers to hold the antenna N-type connector (female) on the AWK-4131A.

**STEP 2:**

Screw the antenna N-type connector (male) onto the AWK-4131A device's N-type connector.



**Caution**

For additional stability, hold the antenna connector when you screw on an antenna to the AWK-4131A device.



## ATTENTION

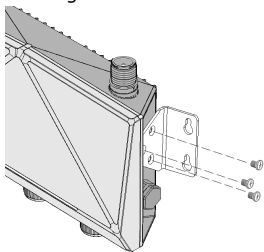
Use the correct antennas: Use the 2.4 GHz antenna if the AWK-4131A will operate in IEEE 802.11b/g/n. Use the 5GHz antenna for operations in IEEE802.11a/n. Make sure the antennas are installed in a safe outdoor area and are protected against lightning and surge current using surge protection systems.

## Wall Mounting

In most applications, wall mount provides an easier installation. You will find it quite easy to mount AWK-4131A on the wall, as illustrated below.

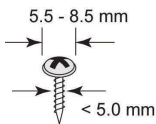
### STEP 1:

Attach the wall-mounting kit with M4 screws, as shown in the diagram below.



### STEP 2:

Mounting the AWK-4131A on the wall requires 4 screws. Use the AWK-4131A device, with wall-mounting kit attached, as a guide to mark the correct locations of the 4 screws. The heads of the screws are recommended to be between 5.5 mm and 8.5 mm in diameter, and the shafts should not be more than 5.0 mm in diameter, as shown in the figure.



Do not drive the screws in all the way into the wall—leave a space of about 2 mm to allow room for sliding the wall-mounting kit between the wall and the screws.

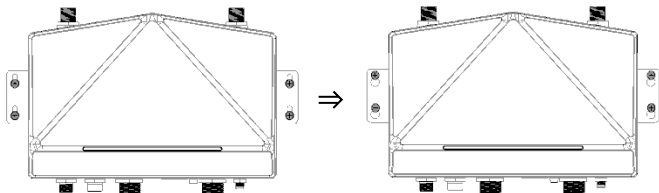


## ATTENTION

Test the screw head and shank size by inserting the screws into one of the keyhole shaped apertures of the wall-mounting plates before attaching the plate to the wall.

### STEP 3:

Once the screws are fixed into the wall, insert the four screw heads through the large opening of the keyhole-shaped apertures on the AWK-4131A, and then slide the AWK-4131A downwards, as indicated in the illustration on the right. Tighten the four screws for added stability.

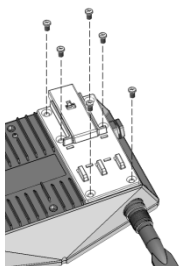




## ATTENTION

To avoid environmental vibration or shock, you can consider a robust installation with four bigger screws, where the shafts are between 7.0 mm and 8.5 mm in diameter, and fix the AWK-4131A directly onto the wall and tighten the screws.

## DIN-rail Mounting (Optional)

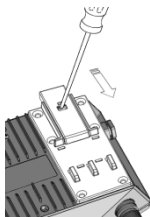


The DK-DC50131 die-cast metal kit, which can be bought separately, enables easy and robust installation for the AWK-4131A. A pair of DK-DC50131s is needed to DIN-rail mount the AWK-4131A. To install the DIN-rail mounting kits, tightly attach the two DIN-rail mounting kits on to the rear panel of the AWK-4131A using 6 screws for each kit.

### To Install

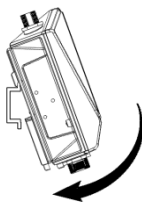
#### STEP 1:

Use the recessed button on the spring-loaded bracket to lock it into position.



#### STEP 2:

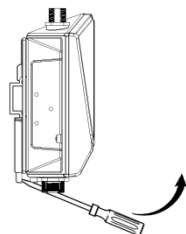
Insert the top of the DIN rail into the slot just below the upper hook of the DIN-rail mounting kit. Push the AWK-4131A toward the DIN rail until the DIN-rail attachment bracket snaps into place.



### To Release

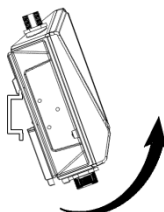
#### STEP 1:

Use a screw driver to pull down the two spring-loaded brackets from the bottom until they are fixed in the "release" position.



#### STEP 2:

Pull the AWK-4131A out and upward.



# Deployment Precautions

## Wiring Requirements



### WARNING

### Safety First!

Be sure to disconnect the power cord before installing and/or wiring your AWK-4131A.

Calculate the maximum possible current in each power wire and common wire. Observe all electrical codes dictating the maximum current allowable for each wire size. If the current goes above the maximum ratings, the wiring could overheat, causing serious damage to your equipment.

You should also pay attention to the following items:

- Use separate paths to route wiring for power and devices. If power wiring and device wiring paths must cross, make sure the wires are perpendicular at the intersection point.

**NOTE** Do not run signal or communications wiring and power wiring in the same wire conduit. To avoid interference, wires with different signal characteristics should be routed separately.

- You can use the type of signal transmitted through a wire to determine which wires should be kept separate. The rule of thumb is that wiring with similar electrical characteristics can be bundled together.
- Keep input wiring and output wiring separate.
- It is strongly advised that you label wiring to all devices in the system when necessary.

## Grounding the AWK-4131A

Grounding and wire routing help limit the effects of noise due to electromagnetic interference (EMI). Run the ground connection from the ground screw to the grounding surface prior to connecting devices.

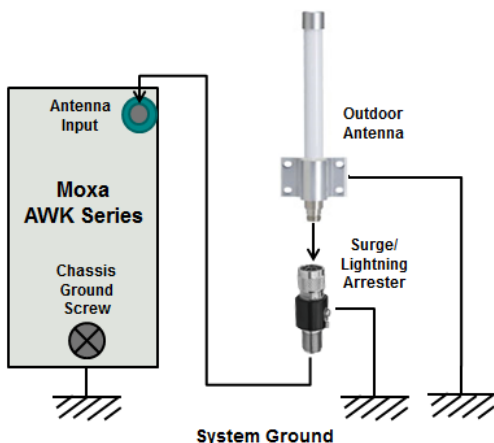


### ATTENTION

This product is intended to be mounted to a well-grounded mounting surface, such as a metal panel. There must be no electrical potential difference between any two grounding points; otherwise, there is a risk that the device could be destroyed.

## Installations with Cable-Extended Antennas for Outdoor Applications

If the antenna or the AWK device is installed outdoors or in an open-air setting, proper lightning protection is required to prevent direct lightning strikes on the AWK device. In order to prevent coupling currents from nearby lightning strikes, a lightning arrester should be installed as part of your antenna system. Ground the device, antenna, as well as the arrester properly to provide maximum outdoor protection for the device.

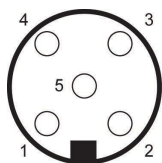


### Arrester Accessories

- **SA-NMNF-01:** Surge arrester, N-type (male) to N-type (female)
- **SA-NFNF-01:** Surge arrester, N-type (female) to N-type (female)

### Wiring the Redundant Power Inputs

The AWK-4131A must be connected to a Power-over-Ethernet (PoE) IEEE 802.3af compliant power source or an IEC60950 compliant limited power source. When AWK-4131A is powered via DC power, the M12 A-coded connector on the bottom panel is used for the AWK-4131A's two redundant inputs. The pin assignment is shown below:



| Pin | Power Input |
|-----|-------------|
| 1   | V1+         |
| 2   | V2+         |
| 3   | V1-         |
| 4   | V2-         |
| 5   | GND         |



### ATTENTION

This product is intended to be supplied by an UL Listed power adapter with Tma min. 75°C and output compliant with SELV and LPS and rated 12 to 48 VDC, 0.64 to 0.16 A, or UL Listed end-product with Tma min. 75°C and "PoE" connector compliant with SELV and LPS and rated 48 VDC, min. 0.16 A.



## ATTENTION

This equipment is intended to be used in Restricted Access Locations, such as a computer room, with access limited to SERVICE PERSONAL or USERS who have been instructed on how to handle the metal chassis of equipment that is so hot that special protection may be needed before touching it. The location should only be accessible with a key or through a security identity system.



## ATTENTION

External metal parts of this equipment are extremely hot!! Before touching the equipment, you must take special precautions to protect your hands and body from serious injury.



## ATTENTION

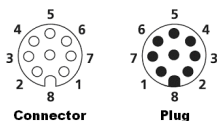
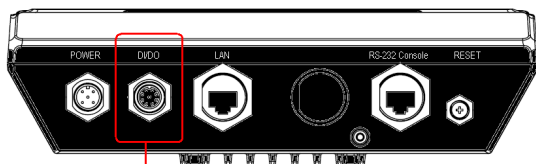
Make sure the PSE (Power Sourcing Equipment) or PoE injector used to power the AWK device complies with IEEE 802.3af or IEEE 802.3at.

## Wiring the Digital Inputs and Relay Contact (Digital Output)

The AWK-4131A has two sets of digital input—DI1 and DI2. Each DI comprises of two contacts of the 8-pin M12 connector on the AWK-4131A's bottom panel. These two digital inputs can be connected to digital-output-enabled sensors for on-site status monitoring.

The AWK-4131A also has one relay output, which consists of the two contacts. These relay contacts are used to detect user-configured events. The two wires attached to the Relay contacts form an open circuit when a user-configured event is triggered. If a user-configured event does not occur, the Relay circuit will be closed.

A field-installable plug, **M12A-8PMM-IP68**, is recommended for connecting the AWK-4131A's DIs and relay.



| Pin | Signal    |
|-----|-----------|
| 1   | Relay     |
| 2   |           |
| 3   | DI1 I1    |
| 4   | DI1 COM_1 |
| 5   | DI2 I2    |
| 6   | DI2 COM_2 |
| 7   | Reserved  |
| 8   |           |

## Communication Connections

### 10/100BaseT(X) Ethernet Port Connection

The 10/100BaseT(X) ports located on the AWK-4131A's bottom panel are used to connect to Ethernet-enabled devices.

The pinouts for both MDI (NIC-type) ports and MDI-X (HUB/Switch-type) ports are shown below:

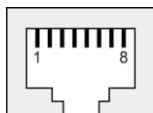
#### MDI Port Pinouts

| Pin | Signal |
|-----|--------|
| 1   | Tx+    |
| 2   | Tx-    |
| 3   | Rx+    |
| 6   | Rx-    |

#### MDI-X Port Pinouts

| Pin | Signal |
|-----|--------|
| 1   | Rx+    |
| 2   | Rx-    |
| 3   | Tx+    |
| 6   | Tx-    |

#### 8-pin RJ45

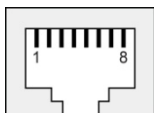


### 1000BaseT Ethernet Port Connection

1000BaseT data is transmitted on differential TRD+/- signal pairs over copper wires.

#### MDI/MDI-X Port Pinouts

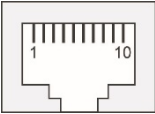
| Pin | Signal  |
|-----|---------|
| 1   | TRD(0)+ |
| 2   | TRD(0)- |
| 3   | TRD(1)+ |
| 4   | TRD(2)+ |
| 5   | TRD(2)- |
| 6   | TRD(1)- |
| 7   | TRD(3)+ |
| 8   | TRD(3)- |



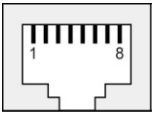
**RS-232 Connection**

The AWK-4131A has one RS-232 (8-pin RJ45) console port located on the bottom panel. Use either an RJ45-to-DB9 or RJ45-to-DB25 cable to connect the AWK-4131A’s console port to your PC’s COM port. You may then use a console terminal program to access the AWK-4131A for console configuration.

**Console Pinouts for 10-pin or 8-pin RJ45**



| 10-Pin | Description | 8-Pin |
|--------|-------------|-------|
| 1      | –           | –     |
| 2      | DSR         | 1     |
| 3      | RTS         | 2     |
| 4      | GND         | 3     |
| 5      | TxD         | 4     |
| 6      | RxD         | 5     |
| 7      | DCD         | 6     |
| 8      | CTS         | 7     |
| 9      | DTR         | 8     |
| 10     | –           | –     |



- NOTE**
1.

The pin numbers for the DB9 and DB25 male connectors, and hole numbers for the DB9 and DB25 female connectors are labeled on the connector strip. However, the numbers are typically quite small, so you may need to use a magnifying glass to see the numbers clearly.
2.

The pin numbers for both the 8-pin and 10-pin RJ45 connectors (and ports) are typically not labeled on the connector strip (or port). Refer to the pinout diagram above for details.

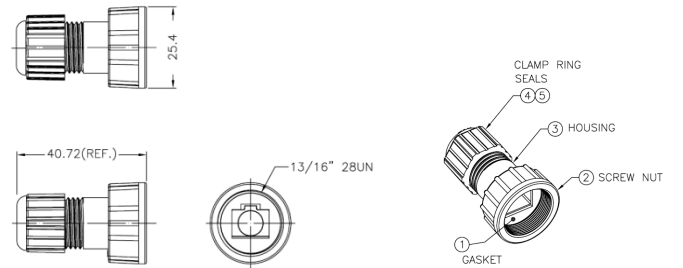


**ATTENTION**

To ensure the IP68-rated connectivity, you must use a waterproof housing during any communication activities. An IP68-rated field installable plug, which is provided in AWK-4131A’s accessory pack, may be needed in this case. The installation instructions are shown below.

**Waterproofing the RJ45 Plug**

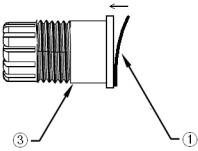
**Dimensions (unit: mm)**



**Installation**

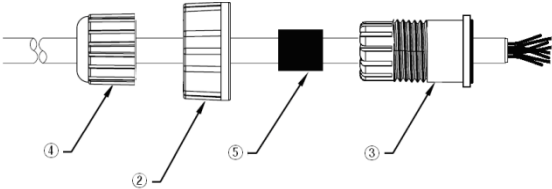
**STEP 1:**

Attach the gasket ① to the housing ③



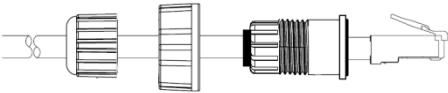
**STEP 2:**

Insert the cable (e.g., CAT5e) through the clamp ring ④, screw nut ②, seal ⑤ and housing ③, as follows:



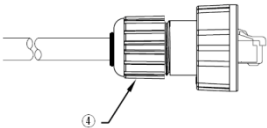
**STEP 3:**

Crimp the modular RJ plug to the cable. Note that the use of a snagless cover shield or a strain-relief boot is not recommended here. After you have crimped the cable, assemble the seal and the housing (③ and ⑤) as indicated below:



**STEP 4:**

Tightly screw on the clamp ring ④ to the housing and check to make sure that the plug is securely fastened.



**NOTE** For a tighter connection, you can connect the RJ45 plug to the AWK-4131A before **STEP 4**.

## LED Indicators

The front panel of the AWK-4131A contains several LED indicators. The function of each LED is described in the table below:

| LED                                 | Color | State                                   | Description                                                              |
|-------------------------------------|-------|-----------------------------------------|--------------------------------------------------------------------------|
| Front Panel LED Indicators (System) |       |                                         |                                                                          |
| PWR                                 | Green | On                                      | Power is being supplied(from power input 1 or 2, or PoE).                |
|                                     |       | Off                                     | Power is <b>not</b> being supplied.                                      |
| FAULT                               | Red   | Blinking (slow at 1-second intervals)   | Cannot get an IP address from the DHCP server.                           |
|                                     |       | Blinking (fast at 0.5-second intervals) | IP address conflict.                                                     |
|                                     |       | Off                                     | No error condition exists.                                               |
| STATE                               | Green | On                                      | System startup is complete and the system is in operation.               |
|                                     |       | Blinking (slow at 1-second intervals)   | Device has been located by the Wireless Search Utility                   |
|                                     |       | Blinking (fast at 0.5-second intervals) | AeroLink Protection is enabled and is currently in "Backup" state        |
|                                     | Red   | On                                      | System is booting up                                                     |
| WLAN                                | Green | On                                      | WLAN function is in client/client-router/slave mode.                     |
|                                     |       | Blinking                                | WLAN's data communication is running in client/client-router/slave mode. |
|                                     |       | Off                                     | WLAN is not in operation.                                                |
|                                     | Amber | On                                      | WLAN function is in AP/bridge mode.                                      |
|                                     |       | Blinking                                | WLAN's data communication is running in AP/master mode                   |
|                                     |       | Off                                     | WLAN is not in operation.                                                |
| LAN                                 | Green | On                                      | LAN port's 1000 Mbps link is <b>active</b> .                             |
|                                     |       | Blinking                                | Data is being transmitted at 1000 Mbps                                   |
|                                     |       | Off                                     | LAN port's 1000 Mbps link is <b>inactive</b> .                           |
|                                     | Amber | On                                      | LAN port's 10/100 Mbps link is <b>active</b> .                           |
|                                     |       | Blinking                                | Data is being transmitted at 10/100 Mbps                                 |
|                                     |       | Off                                     | LAN port's 10/100 Mbps link is <b>inactive</b> .                         |

Specifications

|                       |                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------|
| Input Current         | 0.64 A @ 12 VDC; 0.16 A @ 48 VDC                                                                    |
| Input Voltage         | 12 to 48 VDC, redundant dual DC power inputs or 48 VDC Power-over-Ethernet (IEEE 802.3af compliant) |
| Power Consumption     | 7.68 W                                                                                              |
| Operating Temperature | -40 to 75°C (-40 to 167°F)                                                                          |
| Storage Temperature   | -40 to 85°C (-40 to 185°F)                                                                          |



ATTENTION

The AWK-4131A is **NOT** a portable mobile device and should be located 20 cm away from the human body.

The AWK-4131A is **NOT** designed for the general public. A well-trained technician is required to deploy AWK-4131As and safely establish a wireless network.



ATTENTION

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.



ATTENTION

Do not locate the antenna near overhead power lines or other electric light or power circuits, or where it can come into contact with such circuits. When installing the antenna, take extreme care not to come into contact with such circuits, because they may cause serious injury or death. For proper installation and grounding of the antenna, refer to national and local codes (for example, U.S.: NFPA 70; National Electrical Code (NEC) Article 810; Canada: Canadian Electrical Code Section 54).

**NOTE** For installation flexibility, either the antenna A or the antenna B may be selected for use. Make sure the antenna connection matches the antenna configured in the AWK-4131A web interface.

To protect the connectors and RF module, all radio ports should be terminated by either an antenna or a terminator. We strongly recommend using resistive terminators for terminating the unused antenna ports.



## ATTENTION

### NCC Statements

- 減少電磁波影響，請妥適使用。
- 應避免影響附近雷達系統之操作。
- 取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
- 低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工、業、科學及醫療用電波輻射性電機設備之干擾。



## ATTENTION

### KC Statements

이 기기는 업무용 환경에서 사용할 목적으로 적합성평가를 받은 기기로서 가정용 환경에서 사용하는 경우 전파간섭의 우려가 있습니다.



## ATTENTION

### ANATEL Statements

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados. Para maiores informações, consulte o site da ANATEL – <https://www.gov.br/anatel>.



## ATTENTION

### BSMI Statements

為避免電磁干擾，本產品不應安裝或使用於住宅環境。

製造商資訊：Moxa 四零四科技股份有限公司

電話：+886-3-2737575

地址：桃園市八德區和平路 1111 號。

## Software Setup

This section covers the software setup of the AWK-4131A.

### How to Access the AWK

Before installing the AWK device (AWK), make sure that all items in the package checklist are provided in the product box. You will also need access to a notebook computer or PC equipped with an Ethernet port.

- **Step 1: Select a suitable power source and plug in the AWK.**  
The AWK can be powered by DC power ranging from **12 VDC to 48 VDC** or by a **PoE PSE** via an Ethernet connection.
- **Step 2: Connect the AWK to the notebook or PC via the AWK's LAN port.**

The LED indicator on the AWK's LAN port will light up when a connection is established.



**NOTE** If you are using an Ethernet-to-USB adapter, follow the instructions in the user's manual provided with the adapter.

- **Step 3: Set up the computer's IP address**

Choose an IP address for the computer that is on the same subnet as the AWK. Since the AWK's default IP address is **192.168.127.253**, and the subnet mask is **255.255.255.0**, set the IP address to **192.168.127.xxx**, where xxx is between 1 and 252.

- **Step 4: Access the homepage of the AWK.**

Open your computer's web browser and type **http://192.168.127.253** in the address field to access the AWK's homepage. Log in using the following default username and password:

Default Username: **admin**

Default Password: **moxa**

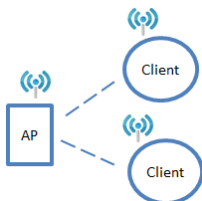
Click the **Login** button to access the homepage of the AWK device.

## **First-time Quick Configuration**

After successfully accessing the AWK, refer to the relevant subsection below to quickly set up a wireless network.

**NOTE** Ensure that there are no IP address conflicts when you configure more than one AWK on the same subnet.

### **Point-to-Multipoint Scenario (AP/Client Mode)**



**Configuring the AWK as an AP**

- Step 1: Set the operation mode of the AWK to AP mode.**

Go to **Wireless LAN Setup > Operation Mode** and select AP.

**Operation Mode**

Wireless enable

☒ Enable ☐ Disable

Operation mode

AP

Submit

**NOTE** The default operation mode for the AWK is AP.

- Step 2: Set up your own SSID.**

Go to **Wireless LAN Setup > WLAN > Basic WLAN Setup** and click **Edit** to set the SSID.

**Basic WLAN Setup (Multiple SSID)**

| Status | SSID | Operation Mode | Action |
|--------|------|----------------|--------|
| Active | MOXA | AP             | Edit   |

Add SSID

**Basic WLAN Setup**

Operation mode

AP

RF type

B/G/N Mixed

Channel

6

Channel width

20 MHz

SSID

MOXA

SSID broadcast

☒ Enable ☐ Disable

Submit

**NOTE** The default SSID is MOXA.

- Step 3: Set the RF type and Channel for the AWK.**

Go to **Wireless LAN Setup > WLAN > Basic WLAN Setup**. We recommend that you choose the RF type 5 GHz for a relative clean medium with minimum interference.

**Basic WLAN Setup**

Operation mode

AP

RF type

B/G/N Mixed

2.4GHz

B

G

B/G Mixed

G/N Mixed

B/G/N Mixed

N Only (2.4GHz)

5GHz

A

A/N Mixed

N Only (5GHz)

Channel

Channel width

SSID

SSID broadcast

Submit

For the **Channel** setting, we recommend that you choose a channel other than the default channel to avoid interference.

The screenshot shows the 'Basic WLAN Setup' page. The 'Operation mode' is set to 'AP'. The 'RF type' is 'N Only (5GHz)'. The 'Channel' is set to '36' and is highlighted with a red box. The 'Channel width' is '20 MHz'. The 'SSID' is 'MOXA'. The 'SSID broadcast' is set to 'Enable'. A 'Submit' button is at the bottom left.

Click **Submit** to apply the changes and restart the AWK in AP mode to complete the configuration process.

### Configuring the AWK as a Client

- **Step 1: Set the operation mode of the AWK to Client mode.**

Go to **Wireless LAN Setup > Operation Mode**, set the operation mode to Client, and then click **Submit** to apply the change.

The screenshot shows the 'Operation Mode' page. The 'Wireless enable' option is checked. The 'Operation mode' dropdown menu is open, showing options: AP, AP, Client (highlighted with a red box), Client-Router, Master, Slave, and Sniffer. A 'Submit' button is at the bottom left.

- **Step 2: Link to an existing SSID.**

Go to **Wireless LAN Setup > WLAN > Basic WLAN Setup** and click **Site Survey** to select an existing SSID, or directly enter an existing SSID in the text field.

The screenshot shows the 'Basic WLAN Setup' page. The 'Operation mode' is 'Client'. The 'RF type' is 'B/G/N Mixed'. The 'Channel width' is '20 MHz'. The 'SSID' is 'MOXA' and is highlighted with a red box. A 'Site Survey' button is to the right of the SSID field. A 'Submit' button is at the bottom left.

- **Step 3: Set the RF type and Channel settings for the AWK.**

On the **Wireless LAN Setup > WLAN > Basic WLAN Setup** page, edit the RF type and Channel settings.

The screenshot shows the 'Basic WLAN Setup' page. The 'Operation mode' is 'Client'. The 'RF type' is 'B/G/N Mixed' and is highlighted with a red box. The 'Channel width' is '20 MHz'. The 'SSID' is 'MOXA'. A 'Site Survey' button is to the right of the SSID field. A 'Submit' button is at the bottom left.

Click **Submit** to apply the changes, and restart the AWK in client mode to complete the configuration process.

**Point-to-Point Scenario (Master/slave mode)**



***Configuring the AWK as a Master***

- **Step 1: Set the operation mode of the AWK to Master mode.**  
Go to **Wireless LAN Setup > Operation Mode**, set the operation mode to **Master**, and then click **Submit** to apply the change.

Operation Mode

Wireless enable ☒ Enable ☐ Disable

Operation mode

Submit

AP

AP

Client

Client-Router

Master

Slave

Sniffer

- **Step 2: Set up your own SSID.**  
Go to **Wireless LAN Setup > WLAN > Basic WLAN Setup** and click **Edit** to set the SSID.
- **Step 3: On the Wireless LAN Setup > WLAN > Basic WLAN Setup page edit the RF type and Channel settings.**  
Click **Submit** to apply the changes and restart the AWK in Master mode to complete the configuration process.

***Configuring the AWK as a Slave***

- **Step 1: Set the operation mode of the AWK to Slave mode.**  
Go to **Wireless LAN Setup > Operation Mode**, set the operation mode to **Slave**, and then click **Submit** to apply the change.

Operation Mode

Wireless enable ☒ Enable ☐ Disable

Operation mode

Submit

Slave

AP

Client

Client-Router

Master

Slave

Sniffer

- **Step 2: Link to an existing SSID.**  
Go to **Wireless LAN Setup > WLAN > Basic WLAN Setup** and click **Site Survey** to select an existing SSID, or directly enter an existing SSID in the text field.
- **Step 3: Set the RF type for the AWK.**  
On the **Wireless LAN Setup > WLAN > Basic WLAN Setup** page edit the RF type setting.  
Click **Submit** to apply the changes and restart the AWK in Slave mode to complete the configuration process.

# 限用物質含有情況標示聲明書

Declaration of the Presence Condition of the Restricted Substances Marking

| 設備名稱：無線存取點<br>Equipment name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                              |                      |                      | 型號（型式）：AWK-4131A 系列<br>Type designation (Type)       |                                              |                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------|----------------------|------------------------------------------------------|----------------------------------------------|------------------------------------------------------|
| 單元 Unit<br>(如適用)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 限用物質及其化學符號<br>Restricted substances and its chemical symbols |                      |                      |                                                      |                                              |                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 鉛<br>Lead<br>(Pb)                                            | 汞<br>Mercury<br>(Hg) | 鎘<br>Cadmium<br>(Cd) | 六價鉻<br>Hexavalent<br>chromium<br>(Cr <sup>+6</sup> ) | 多溴聯苯<br>Polybrominated<br>biphenyls<br>(PBB) | 多溴二苯醚<br>Polybrominated<br>diphenyl ethers<br>(PBDE) |
| 外殼                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ○                                                            | ○                    | ○                    | ○                                                    | ○                                            | ○                                                    |
| 印刷電路板及其電子組件                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | —                                                            | ○                    | ○                    | ○                                                    | ○                                            | ○                                                    |
| 電纜/電線/連接器                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | —                                                            | ○                    | ○                    | ○                                                    | ○                                            | ○                                                    |
| 機械部件-金屬                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | —                                                            | ○                    | ○                    | ○                                                    | ○                                            | ○                                                    |
| 機械部件-非金屬                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ○                                                            | ○                    | ○                    | ○                                                    | ○                                            | ○                                                    |
| <p>備考 1. “超出 0.1 wt %”及 “超出 0.01 wt %”係指限用物質之百分比含量超出百分比含量基準值。</p> <p>Note 1: “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.</p> <p>備考 2. “○”係指該項限用物質之百分比含量未超出百分比含量基準值。</p> <p>Note 2: “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.</p> <p>備考 3. “—” 係指該項限用物質為排除項目。</p> <p>Note 3: The “—” indicates that the restricted substance corresponds to the exemption.</p> |                                                              |                      |                      |                                                      |                                              |                                                      |