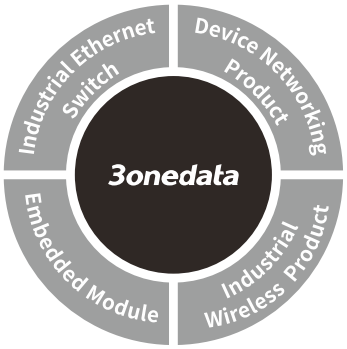
3onedata
Make network communication more reliable

IAC8500-1GC4GT
Industrial Wireless Controller
Quick Installation Guide



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【Package Checklist】

Please check the integrity of package and accessories while first using the wireless controller.

1	Wireless controller x1	2	Mounting lug x2
3	Power line x2	4	Warranty card
5	Certification		

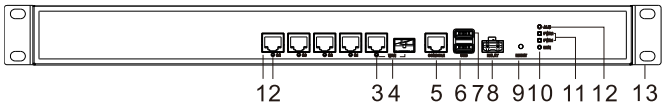
If any of these items are damaged or lost, please contact our company or dealers, we will solve it asap.

【Product Overview】

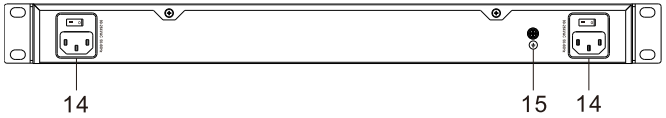
The product is industrial wireless controller with high stability and cost-effectiveness. The model is IAC8500-1GC4GT-2P110_240VAC (1 Gigabit Combo WAN port + 4 Gigabit RJ45 LAN ports, dual power supply 110~240VAC).

【Panel Design】

➢ **Front View**



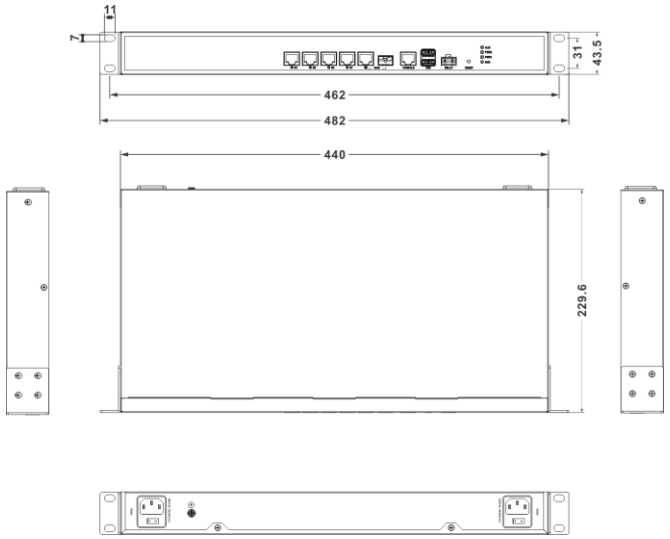
➢ **Rear View**



1. Gigabit LAN port
2. Gigabit LAN port status indicator
3. Gigabit Combo WAN port (RJ45 or SFP)
4. Gigabit Combo WAN port status indicator
5. Console port (Reserved)
6. USB3.0
7. USB2.0
8. Relay output terminal
9. RESET restoring factory setting button
10. Device running indicator RUN
11. Device power supply status indicator PWR1/PWR2
12. Relay alarm indicator ALM
13. Lugs
14. AC power input outlet
15. Grounding screw

【Mounting Dimension】

Unit: mm



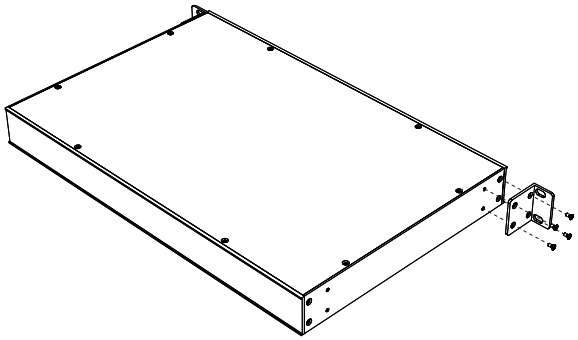
Note before mounting:

- Don't place or install the device in area near water or moist, keep the relative humidity of the device surrounding between 5%~95% without condensation.
- Before power on, first confirm the supported power supply specification to avoid over-voltage damaging the device.
- The device surface temperature is high after running; please don't directly contact to avoid scalding.

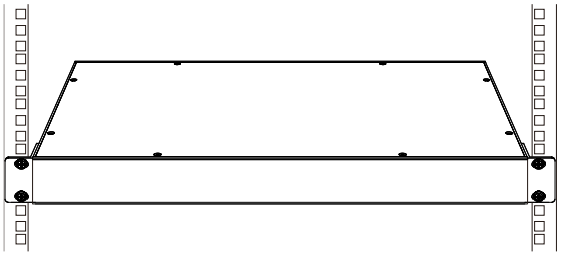
【Rack-mounted】

Step 1 Select the device mounting location to ensure enough size.

Step 2 Adopt bolts to install the mounting lugs in the device position as figure below.



Step 3 Place the device on the rack surface plate; adopt 4 screws to mount the right and left mounting lugs on the rack.



Step 4 Check and confirm the product is mounted firmly on the rack, mounting ends.

【Disassembling Device】

Step 1 Device power off.

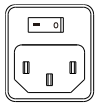
Step 2 Unscrew the fixed mounting lug screw on the rack.

Step 3 Shift out the device from rack, disassembling ends.

Note before powering on:

- Power ON operation: First insert the power supply terminal block into the device power supply interface, and then plug the power supply plug contact and power on.
- Power OFF operation: First, remove the power plug, and then remove the wiring section of terminal block. Please pay attention to the above operation sequence.

【Power Supply Connection】



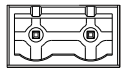
This device provides 2 AC power supply inputs, and supports power supply redundancy. When one of the power supplies fails, the device can still operate normally.

The power supply input range is 110~240VAC, 50~60Hz.

【Restore factory defaults】

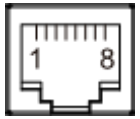
RESET is restoring default settings button. Restoring default settings steps as follows: Press and hold the RESET button for 5s then release it, the device would restore the factory settings automatically.

【Relay Connection】



Relay terminals are a set of normally open contacts of the device alarm relay. They are open circuit in the state of normal non alarm, closed when any alarm information occurs. For example, they are closed when powered off, and send out alarm. The product supports 1 relay alarm information output, which can be connected to alarm light or alarm buzzer or other switching value collecting devices; it can timely inform operators when the alarm occurs.

【Console Port Connection】



The series products provide 1 program debugging port based on RS-232 serial port which can conduct device CLI command management after connecting to PC. The interface adopts RJ45 port, the RJ45 pin definition as follows:

No.	2	3	5.
PIN	TXD	RXD	GND

【USB Port Connection】



This device provides 1 USB2.0 interface and 1 USB3.0 interface, both of which are USB Type A female head interfaces. USB2.0 interface is black. USB3.0 interface is blue, and it can be backward-compatible with USB2.0.

【Checking LED Indicator】

The device provides LED indicators to monitor the device working status with a comprehensive simplified troubleshooting; the function of each LED is described in the table as below:

LED	Indicate	Description
PWR1/PWR2	ON	Power supply PWR1/PWR2 is connected and running normally
	OFF	Power supply PWR1/PWR2 is disconnected or running abnormally
ALM	ON	Power supply link has alarm
	OFF	Dual power supply link have no alarm
RUN	ON	The device is powered on or the device is abnormal.
	OFF	The device is powered off or the device is abnormal.
	Blinking	Blinking 1 time per second, system is running well.
Link/Act (G1-G4, WAN)	ON	The Ethernet interface has established an active network connection.
	Blinking	The Ethernet interface is in a network activity state.
	OFF	Ethernet port has not established valid network connection

【Logging in to WEB Interface】

This device supports WEB management and configuration. Computer can access the device via LAN. The way of logging in to device's configuration interface via IE browser is shown as below:

Step 1 Configure the IP addresses of computer and the device to the same network segment, and the network between them can be mutually accessed

Step 2 Enter device's IP address in the address bar of the computer browser.

http://192.168.3.1/

Step 3 Enter device's user name and password in the login window as shown below.



Step 4 Click “Login” button to login to the WEB interface of the device.

Description:

- The default IP address of the device is “192.168.3.1”.
- The default user name and password of the device is “admin”.
- If the username or password is lost, user can restore it to factory settings via device DIP switch or management software; all modified configurations will be cleared after restoring to factory settings, so please backup configuration file in advance.
- Please refer to user manual for specific configuration method of logging in to WEB interface and other configurations about network management function.

【Specification】

Panel	
Gigabit LAN port	10/100/1000 Base-T(X) self-adapting RJ45 port, half/full duplex self-adaption support MDI/MDI-X self-adaption
Gigabit WAN port	Gigabit Combo, optional 10/100/1000Base-T(X) and 1000Base-X SFP
Console Port	CLI command line management port (RS-232), RJ45(CLI function is reserved)
USB 2.0 port	USB Type A female head
USB 3.0 port	USB Type A female head
Alarm interface	2-pin 7.62mm pitch terminal block, support 1 relay alarm output
Indicator	Power supply indicator, alarm indicator, running indicator, interface indicator
Power supply	
Input power supply	110~240VAC 50-60Hz Dual power supply redundancy, 3A over-current protection
Access terminal block	Power supply outlet with switch
Power consumption	
No-load	3.0W@220VAC
Full-load	5.0W@220VAC
Working environment	
Working temperature	-40~75℃
Storage temperature	-40~85℃
Working humidity	5%～95% (no condensation)
Protection grade	IP30(metal)

【Disposal of Waste Electrical and Electronic Equipment (WEEE 2012/19/EU)】

(Applicable in the EU-member states)



The crossed-out wheeled bin symbol on the equipment or its packaging indicates that the product, at the end of its service life, shall not be mixed with unsorted municipal waste but should be collected separately, in accordance with local laws and regulations.

A proper separate collection of end-of-life equipment for the subsequent recycling, treatment and environmentally compatible disposal, will help prevent potential damage to the environment and human health, facilitating the reuse, recycling and/or recovery of its component materials.

Private users should contact their vendor or municipal waste management service and ask for disposal information.

Professional users should contact their suppliers and check the terms of their selling agreement.

This product must not be disposed of with other commercial waste.

Users’ cooperation in the correct disposal of this product will contribute to saving valuable resources and protecting the environment.