

CAINIAO CNR1 UHF RFID Reader Quick Start Guide

CAINIAO CNR1 UHF RFID Reader

OVERVIEW

This guide provides simple steps to quickly start using your new CAINIAO CNR1 UHF RFID reader. Please consult the CAINIAO CNR1 installation and operations manual for a full description of mounting choices, methods and reader configuration options.

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Accessories Sold Separately

- AC power cords
- Reader Antennas
- Antenna cables

Connections and Ports

- 8x RP-TNC antenna ports
- RJ-45 100BASE-T Ethernet port
- RS232
- GPIO terminal block
- TF-card

Connect antenna

- Securely mount one or more antennas in accordance with the antenna manufacturer's instruction.
- Securely connect the antenna to a reader antenna port.

Power the reader using AC power cord and connect it to the network

The CNR1 is powered by 12~24V AC power cord, and connect it to the network through RJ-45 10/100/1000BASE-T Ethernet port.

In a new browser tab, connect to the CAINIAO CNR1 reader using the URL <http://<Static IP>>.

Once the reader web configuration pages opens, note the software version under details.

If newer reader firmware is available, proceed with following steps:

- Download the firmware upgrade file from the support portal or connect CAINIAO.
- Click the browse button next to select System in the web configuration page.
- Navigate to the firmware upgrade file.
- Click Upgrade (this may take several minutes).
- Click Reboot.

Read tags with web page

1. Connect CAINIAO CNR1 reader to the network using the URL <http://<Static IP>>.
2. Set the operating frequency in the frequency settings bar.
3. In the inventory settings bar, select the antenna channel, set the transmission power, RF mode, Tag population, Search mode and session.
4. In the return loss column, you can test the return loss of the corresponding antenna.

5. Click "Connect" in the Inventory Test column, then click the "Start Inventory" button to read tags.
6. Stop tag inventory operation by click "Stop Inventory".

Regulatory Information

CAINIAO CNR1 UHF RFID Reader

FCC (USA)

This device complies with Part 15 of the FCC. 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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended.