

WISE-2834

Intelligent RFID Gateway

NEW



Specification

RFID Communication

- **RFID Standard** EPC Global Class 1 Gen. 2 (ISO18000-6C)
- **Frequency Band**
 - US: 902.75MHz~927.25MHz
 - EU: 865.7MHz~867.5MHz
 - CN: 920.625MHz~924.375MHz
 - JP: 916.8MHz~920.4MHz
- **RFID Power Output** Available to adjust from +10 ~ +31.5dBm
- **Max Receive Sensitivity** -82dBm
- **Antenna Number** 4 port antennas
- **Antenna Connector** 4 RP-TNC

System Hardware

- **Certification** CE, FCC, NCC
- **Power** 10~30V_{DC}
Power consumption:3W (TYP.), 15W (Max.)
- **Dimension** 190 x 120 x 30.2 mm
- **CPU** ARM Cortex-A8, 300MHz
ARM Cortex-M0 32-Bit 32MHz
- **Storage** NAND Flash 512MB for system
- **Memory** DDR3L 512MB
- **LED Indicator** Status, Serial (Tx, Rx), Wi-Fi communication, RFID Channel on/off, Wi-Fi Signal Strength
- **SD Slot** 1 x Micro SD card
- **USB Port** 1 x USB2.0 High Speed (Up to 480Mbps)
- **Mounting** DIN 35 rail, Wall, and Pole
- **Watch Dog Timer** System & Power Monitor
- **Real Time Clock** Time Accuracy to Second

Communication

- **Ethernet** 1 x 10/100 Based-T RJ-45
- **Serial Port** 1 x RS-485: 50 ~ 115.2 kbps
- **Digital Input** 4 Dry/Wet Contact
- **Digital Output** 4 Sink Type
3KV rms
- **Isolation** Interface: 1x Mini-PCIe (Full-size)
- **Wireless (Optional)** Type: WiFi

Software

- **OS Support** RT-Linux 3.12
- **Configuration Tool** WISE Studio
- **Programming** Node-RED, Linux OS

Environment

- **Operating Temperature** -25~ 50°C
- **Operating Humidity** 20~95% RH
- **Storage Temperature** -40~ 85°C
- **Storage Humidity** 0~95% RH

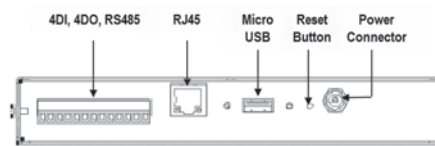
Features

- 4 port UHF RFID Antenna, 4-ch DI and 4-ch DO
- Graphic program tool by Node-RED for data read/write, filtering and transfer
- Support Ethernet and Wi-Fi data communication
- Linux operation system and provide web dashboard for RFID setting
- Data log function and cloud connectivity
- Flexible mounting methods suitable for different environment

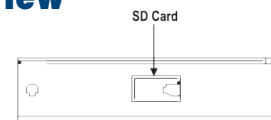
TOP I/O View



Bottom I/O View



Side I/O View



Ordering Information

- **WISE-2834-CA** Intelligent RFID gateway: CN, JP, US

Optional Accessories

WiFi Package

- **96PD-RYUW131** Wi-Fi Half-size mini card, supports 802.11bgn
- **1750008648-01** Dipole Ant. 2.4G SMA/M-R RG174 GRY
- **1750006043** Cable R/P SMA (F) to MHF 1.32 150mm

RFID Antenna

- **96PD-YAP101CP** RFID UHF Antenna, 902~928MHz, Polarization(Right Hand, Circular)
- **96PD-CFD-240-3M** RFID Antenna cable, 3 meter, N-type plug, R/P TNC plug
- **96PD-CFD-240-6M** RFID Antenna cable, 6 meter, N-type plug, R/P TNC plug

Power

- **96PSA-A60W12W7-3** ADP A/D 100-240V 60W 12V C14 LOCKABLE DC PLUG
- **1702002600** Power Cable US Plug 1.8M
- **1700000596-11** Power Cable China Plug 1.8M
- **1702002605** Power Cable EU Plug 1.8M
- **1702031802** Power Cable UK Plug 1.8M