WISE-2834

Intelligent RFID Gateway

NEW

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

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 Cotex-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
- **Isolation** — 3KV rms
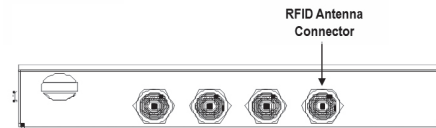- **Wireless (Optional)** — Interface: 1x Mini-PCIe (Full-size)
  Type: WiFi

Software

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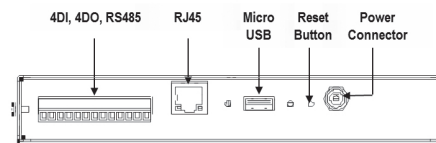- **Programming** — Node-RED, Linux OS

Environment

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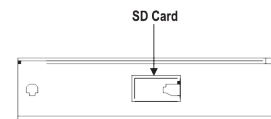- **Storage Temperature** — -40~ 85°C
- **Storage Humidity** — 0~95% RH

TOP I/O View

RFID Antenna Connector

Bottom I/O View

4DI, 4DO, RS485 | RJ45 | Micro USB | Reset Button | Power Connector

Side I/O View

SD Card

Ordering Information

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

Optional Accessories

- **96PD-RYUW131** — Wi-Fi Half-size mini card, supports 802.11bgn
- **96PSA-A60W12W6** — ADP A/D 100-240V 60W 12V C14 LOCKABLE DC PLUG
- **1700000596-11** — Power Cable China Plug 1.8M
- **1702002600** — Power Cable US Plug 1.8M
- **1702002605** — Power Cable EU Plug 1.8M
- **1702031802** — Power Cable UK Plug 1.8M
- **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