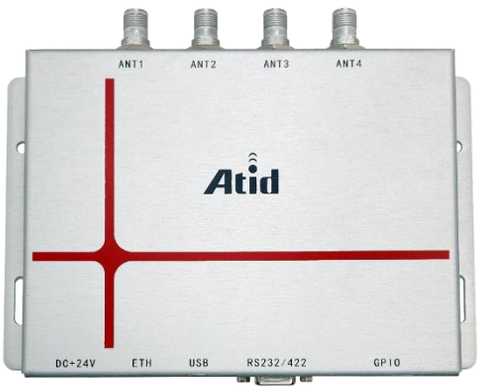
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ATF862
RAIN RFID READER



About ATF862 RAIN RFID Reader

ATID's ATF862 RAIN RFID (UHF) Reader adopts excellent architecture design and powerful reading and writing algorithm. It equips with Impinj E710 chip and supports 4-channel RF ports. The reader is available to matches with various specifications of antennas and has excellent reading and writing performance.

Applications

- Tobacco management
- Intelligent manufacturing
- Supply chain management
- Digital warehousing
- Commercial retail
- Access control management
- Asset management

Features

- 4 antenna ports
- -80 dBm receiving sensitivity
- High speed reading: up to 1000 labels in 5 seconds
- Reader management web interface
- Support PoE+ supply

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Product Specifications

Hardware and Operating System	
Processor	ARM+DSP dual core
Memory	256M RAM, 8GB eMMC
Operating System	Linux

RFID Parameters	
Air Protocol	EPC global UHF Class 1 Gen 2 / ISO 18000-63
Gen2X support	Supports Gen2X inventory for compatible RFID tags to improve reading performance
Transmit Power	11~33 dBm (1 dBm step) up to 30 dBm Under PoE Supply, up to 33 dBm under DC / PoE+ Supply
Frequency Range	FCC : 902.75MHz ~ 927.25MHz EU : 865.7MHz ~ 867.5MHz KC : 917 ~ 921MHz
Multi-Label Reading	Maximum 400+tags / sec
Reading and Writing Distance	0~33m

Interface Parameters	
Ethernet Port	10/100 Ethernet (RJ45)
Antenna Ports	4 RP-TNC Interface
USB Port	1 USB 2.0, Type-A
RS232 / RS422 Port	Support communication with external module (e.g. Antenna Hub)
GPIO Ports	4 isolated inputs and 4 isolated outputs
Power Supply Mode	DC 24V Power Adapter 802.3af PoE / 802.3at PoE+
Power Consumption	Maximum : 13W @ 33 dBm
Communication Protocol	JSON Format : HTTP, TCP Socket, MQTT
Dimension	194.4 mm x 151.0 mm x 29.6mm
Weight	0.6 Kg
Shell Material	Aluminum alloy
Protection Level	IP52

Environmental Parameters	
Operation Temperature	-25 °C ~ +70 °C
Storage Temperature	-40 °C ~ +80 °C
Operation Humidity	5% ~ 95% RH (non-condensing)

All Features and specifications described are subject to change without notice.

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