

AI-RF-FX-CL08 RFID Fixed Reader



AI-RF-FX-CL08 RFID Fixed Reader are Auto-ID new designed masterpiece – IOT smart UHF RFID reader, which running with Impinj INDY R2000 high performance RFID chip, and operated on Android 9.0 operation system. 4-Port /8-port optional.

It supports off-line working for 40,000pcs of tags since with 2GB RAM and 16G ROM capacity. It also has wireless function as WiFi, Bluetooth, 4G, with USB, RJ45, RS232 and I/O communication interfaces, POE optional. Moreover, it could be connected with monitor via the HDMI interface.

Features

- Powered by Impinj R2000 chipset for maximum tag detection performance.
- Android OS based open development environment
- Support MQTT provides real-time, reliable messaging services for connecting cloud servers
- Support HTTP POST communication to send the tag data to the web URL directly
- Support to send the tag data to the specified database directly
- Kinds of communication interfaces: RJ45, RS485, Wiegand, USB, Bluetooth, 4G
- Industrial, installation-friendly I/O connector
- Support RSSI, antenna detection, online update
- RSSI & speed filters

www.AiHardWare.com



Specifications

HARDWARE, OS AND FIRMWARE MANAGEMENT

Processor MT6765, Octa-Core 2.3Ghz

Memory Flash 16GB; DRAM2GB

Operating System: Android 9.0

Firmware Upgrade Demo software / Web

Windows platform— .Net / .Net core / C++ / Java SDK

API Support Android platform - Java

Linux platform - Java SDK

PHYSICAL CHARACTERISTICS

Dimensions 241mm×132mm×36mm

Weight 1.2Kg

Housing Material Die-cast aluminum

Visual Status Indicators Power/Status, Ant 1-4/8

RFID CHARACTERISTICS

Air Protocols ISO/IEC18000-6B, 6C / EPC C1Gen2 C2GEN2 optional

Frequency CHN: 920MHz ~ 925MHz (CMII)

USA: 902 MHz-928MHz (FCC part 15)

EU: 865-868MHz (ETSI EN 302208)

Output Power: 0dBm-35dBm (±1dBm) adjustable

Channel bandwidth: < 200KHz

Anti-collision Support multi-tag / intensive inventory

Work Mode: Fixed/hop frequency optional

CONNECTIVITY

RJ45, RS-485, OTG, Wiegand

WiFi: 802.11 a/b/g/n/ac

Communications 4G: LTE-FDD (CAT-7) /LTE-TDD (CAT-7) /WCDMA/TD-SCDMA/

EVDO/CDMA/GSM

Bluetooth: BT v2.1+EDR, 3.0+HS,v4.1+HS

4 inputs(DC 0~24V), 4 outputs(DC_MAX:30V,2A; AC_MAX:125V,0.3A),

General Purpose I/O optically isolated (Terminal Block)

Power supply DC 24V/2.5A (DC 9V \sim 30V,60W) or POE(IEEE 802.3 af/at/bt)

Display interface HDMI, support 720P(default)/1080P

www.AiHardWare.com



4/8 Reverse Polarity TNC ports; circular or linear polarization; near

Antenna Ports and far field compatible

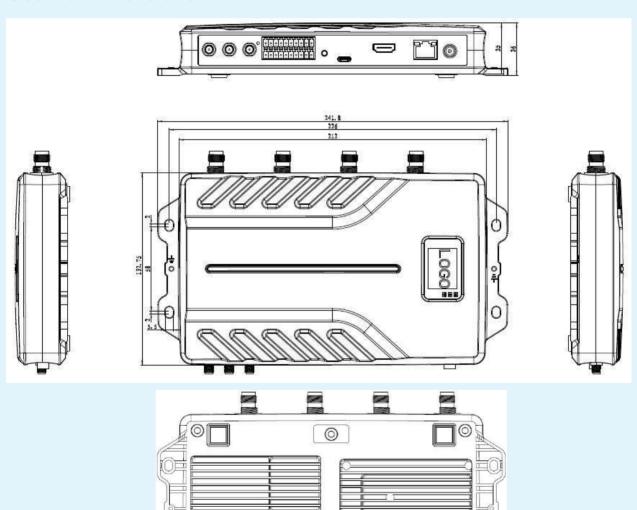
ENVIRONMENTAL

Operating Temp. $-20 - +70^{\circ}\text{C}$ Storage Temp. $-40 - +85^{\circ}\text{C}$

Humidity 5-90% non-condensing (+25°C)

Sealing IP53

Outline Dimensions





88232323cs

SIM