

# UHF RFID READER FR4A



## BASE PARAMETERS

Reader Chip	Impinj Indy™ R2000
Interface	RJ45 4 PIN GPIO RS232 Option
Antenna	4-Antenna (SMA-Female)
Protocol	ISO18000 6C/ EPC Global C1G2
Frequency Region	ETSI : 865~867MHz FCC : 902~928Mhz
RF Power	0dBm ~ +30dBm
Receiving Sensitivity	-83dBm
Modulation	BSD_ASK/M0/40KHz : PR_ASK/M2/250KHz PR_ASK/M2/300KHz : BSD_ASK/M0/400KHz
Power input	DC Adapter, PoE
Power consumption	Max 9W Standby 1.5W
Input Voltage	DC 12~24 V
Operating Temperature	-20°C~+50°C
Storage Temperature	-40°C~+70°C
Operating Humidity	10%~90%
SDK	Microsoft .NET API 、 C/C++ API 、 Java API
Dimension	121(L) x 105(W) x 26(H) mm

## PIN ASSIGEMENT

PIN	PIN ASSIGNMENT	DESCRIPTION
Pin 1	GPO 0	Driving Capacity: 20mA (max.) Logic Low: 0 to 0.8V
Pin 4	GPO 1	Logic High: 2.4V to 3.3V
Pin 5	GND	Ground
Pin 6	GPI 0 (can be defined as GPO 2)	GPI, Low-edge Trigger, Low Active Logic Low: 0 to 0.8V Logic High: 2.4V to 3.3V
Pin 7	GPI 1 (can be defined as GPO 3)	GPI, Low-edge Trigger Logic Low: 0 to 0.8V Logic High: 2.4V to 3.3V
Pin 8	NC	NC
Pin 9	+5V	Output 5V/500mA

## HIGHLIGHT FEATURES

- (••) Comes with UHF RFID Reader Module based on Impinj's Reader Chip
- (••) Provide Ethernet & GPIO Interface
- (••) Mini and exquisite appearance, Easily for installation
- (••) Embedded high speed processor, able to be self controlled or connected to an External PC
- (••) Widely applied to Intelligent Assembly Line, Distributing Center and simple RFID Detection