

## SAAT-F805S UHF 4-port Fixed RFID Reader



### Feature

- 902-928Mhz FCC, 866-868Mhz CE, other frequency selectable
- Connect 4 antennas outside, SMA connector
- Support standard RS-232, USB, Ethernet communication interfaces
- **Support PoE**
- **Build in Linux OS, Indy R2000 RFID chip, fast and accurate reading rate**
- Multi-reader operating under intensive environment
- Upgrade firmware online

### Parameter

RF Parameter	
Architecture	ARM 9, Linux, 64Mbyte RAM, 256Mbyte flash
Operating Frequency	860MHz - 920MHz, frequency band adjustable
Operation Mode	FHSS or fixed frequency
Power output	+20dBm ~ +30dBm@50Ω load, 1dBm each step
Antenna ports	4 SMA connector
Communication Interfaces	RS-232, Ethernet, USB2.0
Expansion Interfaces	RS-485, Wiegand 26/34
Wireless Expansion Module	<b>GPRS/GSM, WIFI 802.11 module</b>
I/O Ports(Optional)	4 Relay Output, 2 Trigger Input
Firmware Upgrade	Support serial port
Application Software Platform	API(C++, C#) development kit (can be customized)
Tag Operation	
Tag Protocol	EPC Class1 Gen2(ISO18000-6C)
Reading Range	0~15m(depends on antenna and tag)
Reading Speed	<b>&gt;200pcs/s(EPC Class1 Gen2)</b>
Tag Identifying Accuracy	<b>&gt;99.9%</b>
Mechanical& Electrical performance	
Dimensions	250mm×164mm×46mm(L×W×H)
Package Dimension	320mm x 226mm x133mm
Weight	<2Kg

Power Supply	DC12V input, power adaptor; <b>PoE optional</b>
Power Consumption	2W(Stand by),10W(Working)
Operating Temperature	-40°C~+60°C
Humidity	5%~95%(non-condensing)
Waterproof	IP54
Reliability	MTBF≥10000h

### ***Application***

- Asset Management
- Warehouse Logistics
- Library Management
- Vehicle and Personal Management
- E-toll on highway, intelligent customs clearance system

## SAAT-I80I UHF Middle Range Integrated Reader



### Feature

- 902-928Mhz FCC, 866-868Mhz CE, equipped with 8dBi Circular antenna
- Support standard RS-232, 10M/100M Ethernet interfaces
- **Build in Linux OS, Indy R2000 RFID Chip, fast and accurate reading rate**
- Multi-reader operating under intensive environment
- Upgrade firmware online

### Parameter

RF Parameter	
Architecture	ARM 9, Linux, 64Mbyte RAM, 256Mbyte flash
Operating Frequency	860MHz-868MHz, CE, 902- 920MHz, frequency band adjustable
Operation Mode	FHSS or fixed frequency
Power output	+20dBm ~ +30dBm@50Ω load, 1dBm each step
Antenna	Built-in 8dBi Circular Polarization antenna
Communication Interfaces	RS-232, 10/100M Ethernet; Weigand/RS485 optional
Firmware Upgrade	Support serial port and Ethernet
Application Software Platform	API(C++, C#) development kit (can be customized)
Tag Operation	
Tag Protocol	EPC Class1 Gen2(ISO18000-6C)
Reading Range	0~8m
Writing Range	0~3m
Mechanical& Electrical performance	
Dimensions	250mm×164mm×46mm(L×W×H)
Package Dimension	450mm x 305mm x 155mm
Weight	1.91kg
Power Supply	DC12V input, power adaptor
Power Consumption	2W(Stand by), 10W(Working)
Operating Temperature	-40°C~+60°C
Humidity	5%~95%(non-condensing)
Waterproof	IP65

# SAAT-I802 UHF Long Range Integrated Reader



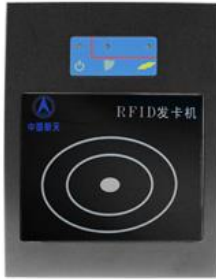
## Feature

- 902-928Mhz FCC, 866-868Mhz CE, equipped with 12dBi linear antenna
- **Build in Linux OS, Indy R2000 RFID Chip, fast and accurate reading rate**
- Multi-reader operating under intensive environment
- **Support Stand-alone, offline function**
- Upgrade firmware online

## Parameter

RF Parameter	
<b>Architecture</b>	<b>ARM 9, Linux, 64Mbyte RAM, 256Mbyte flash</b>
Operating Frequency	860MHz-868MHz, CE, 902- 920MHz, frequency band adjustable
Operation Mode	FHSS or fixed frequency
Power output	+20dBm ~ +30dBm@50Ω load, 1dBm each step
Antenna	Built-in 12dBi linear antenna (horizontal/vertical customized)
Communication Interfaces	RS-232, Weigand 26/34; Ethernet, RS485 optional
Wireless Function	<b>GPRS/GSM, WIFI 802.11 module</b>
I/O Interfaces	2-channel Relay Output, 2-channel Trigger Input
Firmware Upgrade	Support serial port and Ethernet
Application Software Platform	API(C++, C#) development kit (can be customized)
Tag Operation	
Tag Protocol	EPC Class1 Gen2 (ISO18000-6C)
<b>Reading Range</b>	0~15m
Writing Range	0~5m
Mechanical& Electrical performance	
Dimensions	445mm x445mm x 78mm (LxWxH)
Package Dimensions	600mm x500mm x 110mm
Weight	3.47kg
Power Supply	DC12V input, power adaptor
Power Consumption	2W(Stand by), 10W(Working)
Operating Temperature	-40°C~+60°C
Humidity	5%~95%(non-condensing)
Waterproof	IP65

## SAAT-D807 UHF Desktop Reader



### Feature

- Working in UHF (860-920MHz) band, built-in circular polarization antenna.
- Support RS-232, Ethernet interfaces
- Providing special card issuing operation order, and supporting multi-tag issuing
- Built-in large capacity memory and real-time clock, it can keep operation records of 5000 cards for backup and inquiry
- Upgrade firmware online

### Parameter

RF Parameter	
Operating Frequency	860MHz - 920MHz, frequency band adjustable
Operation Mode	FHSS or fixed frequency
Power output	+10dBm
Antenna	Built-in circular polarization antenna
Communication Interfaces	RS-232, Ethernet interface
Firmware Upgrade	Support serial port
Application Software Platform	API(C++, C#) development kit (can be customized)
Tag Operation	
Tag Protocol	EPC Class1 Gen2(ISO18000-6C)
Reading Range	0~100cm
Writing Range	0~3cm
Card Issuing Time	Single Card <150ms(writing EPC code and relative locking operation)
Mechanical& Electrical performance	
Dimensions	183mm×142mm×50mm(L×W×H)
Package Dimension	320mm x 226mm x133mm
Weight	1.95kg
Power Supply	DC 12V input, power adaptor
Power Consumption	3W
Operating Temperature	-40°C~+60°C
Humidity	5%~95%(non-condensing)

## Rugged UHF Integrated Middle Range Reader SAAT-I861



SAAT-I861 rugged RFID UHF integrated antenna middle range reader with built in 8dBi antenna, reading 10m, portable and user-friendly, is widely used in asset tracking, production line, warehouse, logistic management, vehicle and personal management.

### Functions

- UHF (860-960MHz) band, equipped with 8dBi antenna
- Based on Impinj R2000 RFID chip
- Build in embedded Linux OS
- Support standard RS-232, 10M/100M Ethernet interfaces
- Multi groups of I/O interfaces optional, through which controlling the functional mode of the reader/writer
- Upgrade firmware online
- Rugged All In One design, high durability in tough environment

### Applications

- Digital warehouse, logistics system management
- Permanent asset management
- Vehicle checking, personal management

### Specifications:

#### Performance Index

<b>Operating Frequency</b>	865-868MHz; 902-928MHz, RF band customized (optional)
<b>Frequency Hopping</b>	FHSS or Fixed Frequency
<b>Frequency Port</b>	16 (American Standard is 50); local user frequency port is optional
<b>Wireless Data Rate</b>	40kbps

<b>Modulation</b>	ASK
<b>Power Output</b>	+20dBm ~ +30dBm@50Ω load, 1dBm each step
<b>Antenna</b>	Built-in 8dBi circular polarization antenna
<b>Communication Interface</b>	RS-232, 10M/100M Ethernet interface
<b>Optional Interface</b>	Weigand26/34, WIFI/GPRS
<b>Optional IO</b>	Two group relay output or two group level detection input is optional
<b>Firmware Upgrade</b>	Ethernet
<b>Application Software Platform</b>	API(C++, C#) development kit (can be customized)

**Tag Operation**

<b>Tag Protocol</b>	EPC Class 1 Gen 2(ISO18000-6C)
<b>Reading Range</b>	0~10 m
<b>Writing Range</b>	0~3m

**Mechanical/Electric Performance**

<b>Waterproof</b>	IP67
<b>Indicator</b>	LED(Power, Antenna, Reading/Writing)
<b>Power</b>	External power adapter (110 ~ 240V / 50Hz AC input and DC outputting 12V / 3A); POE optional
<b>Power Assumption</b>	2W(Standby), 10W(Working)
<b>Product Dimension</b>	259*259*100mm(LxWxH)
<b>Operating Temperature</b>	-40℃ ~ +75℃
<b>Storage Temperature</b>	-40℃ ~ +80℃
<b>Humidity</b>	5%~ 95%(non-condensing)

# Rugged RFID UHF Integrated Long Range Reader

## SAAT-I862



SAAT-I862 rugged RFID UHF integrated antenna long range reader with built in 12dBi antenna, reading 12m, portable and user-friendly, is widely used in asset tracking, production line, warehouse, logistic management, vehicle and personal management.

### Functions

- UHF (860-960MHz) band, equipped with 12dBi antenna
- Based on Impinj R2000 RFID chip
- Build in embedded Linux
- Support standard RS-232, 10M/100M Ethernet interfaces
- Multi groups of I/O interfaces optional, through which controlling the functional mode of the reader/writer
- Upgrade firmware by serial port and Ethernet online
- Strong API user interface
- Rugged All In One design, high durability in tough environment

### Applications

- Digital warehouse, logistics system management
- Permanent asset management
- Vehicle checking, personal management

### Specifications:

#### Performance Index

<b>Operating Frequency</b>	865-868MHz; 902-928MHz, other RF band customized (optional)
<b>Frequency Hopping</b>	FHSS or Fixed Frequency



<b>Frequency Port</b>	16 (American Standard is 50); local user frequency port is optional
<b>Wireless Data Rate</b>	40kbps
<b>Modulation</b>	ASK
<b>Power Output</b>	+20dBm ~ +30dBm@50Ω load, 1dBm each step
<b>Antenna</b>	Built-in 12dBi linear polarization antenna
<b>Communication Interface</b>	RS-232, 10M/100M Ethernet interface
<b>Optional Interface</b>	Wiegand26/34
<b>Optional IO</b>	Two group relay output or two group level detection input is optional
<b>Firmware Upgrade</b>	Serial port and Ethernet
<b>Application Software Platform</b>	API(C++, C#) development kit (can be customized)

**Tag Operation**

<b>Tag Protocol</b>	EPC Class 1 Gen 2(ISO18000-6C)
<b>Reading Range</b>	0~12m
<b>Writing Range</b>	0~5m

**Mechanical/Electric Performance**

<b>Waterproof</b>	IP67
<b>Indicator</b>	LED(Power, Antenna, Reading/Writing)
<b>Power</b>	External power adapter (110 ~ 240V / 50Hz AC input and DC outputting 12V / 3A); POE optional
<b>Power Assumption</b>	2W(Standby), 10W(Working)
<b>Product Dimension</b>	400x400x85mm(LxWxH)
<b>Operating Temperature</b>	-40℃ ~ +75℃
<b>Storage Temperature</b>	-40℃ ~ +80℃
<b>Humidity</b>	5%~ 95%(non-condensing)