

OS UHF Android Reader

SI-FR400



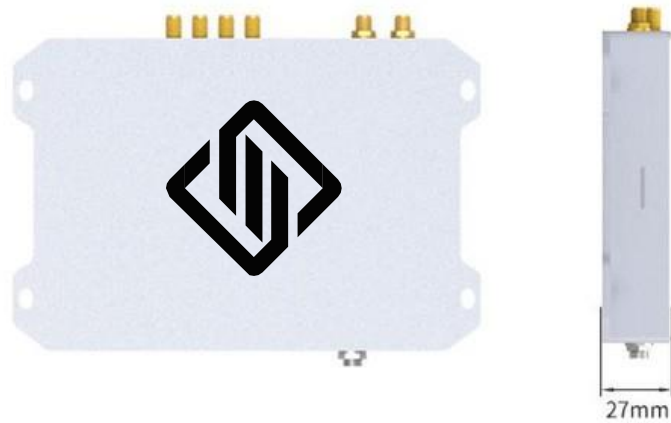
Characteristic

- ☐ Impinj E710 chip
 - ☐ Reading speed up to 800 tags per second
 - ☐ Support RSSI identification tag signal distance
 - ☐ Supports multi-antenna anti-collision polling and inventory
 - ☐ Supports multiple language development c#, java, etc.
 - ☐ Applications: warehouse management, forklift management, asset tracking, laundry management, smart cabinets, waste management, etc.
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Product specifications

RFID Technical Parameters		Data communication	
Chip solution	Impinj E710 chip	Antenna	
frequency	902~928MHz (US) 865~868MHz (EU)	port	4 个 SMA-K female
protocol	ISO18000-6C (EPC GEN2)	communicat	RJ45, 2 USB3.0 Type A, supports USB Host
RF output power	0dbm—33dbm(Adjustable)	ion	(one supports OTG), RS232/ RS485
Reading speed	800 tags/s	power	Support DC 9-30V input, default DC 24V input
Reading distance	0-25 meters	supply	
Receiver sensitivity upper limit	-88 dBm	General	
Physical parameters		purpose I/O	2 inputs, 2 outputs, optocoupler isolation (terminals)
shell material	die cast aluminum	managemen	
Protection level	IP53	t agreement	HDMI Type A, supports 1080p HD video output
size	180*129*27mm	processor	Quad-core Cortex-A55 Main frequency 2.0GHz
weight	600g	Memory	2 + 16GB
working environment		operating system	Android 12.0
Operating temperature	-20°C-65°C	Firmware upgrade	Support local USB upgrade
storage temperature	-40°C-80°C	Internet service	4G: Default is Europe, optional for China, America, etc.
humidity	5%-95% (No condensation)	WIFI	2.4G/5G dual-band, support 802.11 a/b/g/n/ac/d/e/h/i/k/r/v, IPV4, IPV6
		Development environment	
		Firmware	
		version	Support online upgrade
		SDK	Demo software, API, examples, user manual
		host application	.Net, C and Java EMDK
		Embedded applications	C and Java SDK

Detailed display



DC power supply definition

serial number	Signal	content
1	PWR	+24V DC
2	CND	ground

GPIO wiring definition

serial number	Signal	content
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1	RS232-RXD	DeviceRXD
2	GND	Signal GND
3	RS232-TXD	DeviceTXD
4	GND	GND
5	DC+	Power Output
6	DC-	power ground
7	GPO-1	GPIO output 1
8	GPO-2	GPIO output 2
9	GPIO GND	signal ground
10	GPI-1	GPIO input 1
11	GPI-2	GPIO input 2
12	GPIO GND	signal ground

Related Products

Picture		
model	SI-FR400	SI-FR800
Chip solution	Impinj E710 chip	
Output RF power	0dbm ~33dbm (adjustable)	
Reading speed	800pcs/s	
Reading distance	0~25 meters (depending on antenna & label & application environment)	
Built-in system	Android 12.0	Android 12.0
Antenna port	4 SMA female	8 SMA female