



DESCRIPTION

UHF Android 8 Port Fixed Reader is a high-performance chip solution uhf 8 ports fixed reader, designed with completely independent intellectual property rights, combined with a proprietary high-efficiency signal processing algorithm, while maintaining a high reading rate, it can realize fast reading and writing processing of electronic tags, which can Widely used in various radio frequency identification (RFID) systems such as logistics, access control systems, anti-counterfeiting systems and production process control.



Specification

Product number	UHF Android 8 Port Fixed Reader
Processor	Quad Core Cortex-A55(2.0GHz)
Memory	2 + 16GB
Operating system	Android 12
Firmware Upgrade	Local USB upgrade
Network	Europe /America 4G
WIFI	2.4G/5G dual mode 802.11 a/b/g/n/ac/d/e/h/i/k/r/v, IPV4, IPV6;
SDK	Host applications - . Net, C, and Java EMDK Embedded Applications - C and Java SDK
RF Chip Solution	Impinj E710
Frequency	865-868MHz (EU) 902-928MHz(US)
Protocol	ISO18000-6C (EPC Gen 2)
Power output	0-33dbm (adjustable)
Receiver sensitivity	-88 dBm
Max query speed	900 tags/second
Reading distance	0-25 meter
Power supply	Default DC24V input Support DC9-30V input
Antenna port	8*SMA Female
Communicate	USB(3.0 Type A/OTG) RS232.RS485.TCP/IP
GPIO	2 inputs, 2 outputs optocoupler isolation (terminals)
Management protocol	HDMI Type A,1080p high-definition video output
Dimension	180*129*27mm
Weight	600g
Housing Material	Die-casting aluminum
Protection Level	IP53
Visual Status Indicators	Multicolor LEDs: Power,Running,Status
Operating temperature	-20-+65°C
Storage temperature	-40-+80°C
Warehousing Inventory	Transportation and Logistics management
Product Name	UHF 8 ports fixed reader
Memory	2+16GB
Operating System	Android
Antenna Port	8 SMA-K female headers
Communication	RJ45, 2 USB3.0 Type A, support USB Host (one supports OTG), RS232/ RS485
General Purpose I/O	2 inputs, 2 outputs, optocoupler isolated (terminal) HDMI Type A, support 1080p HD video output

Connection Diagram:

DC Power Supply

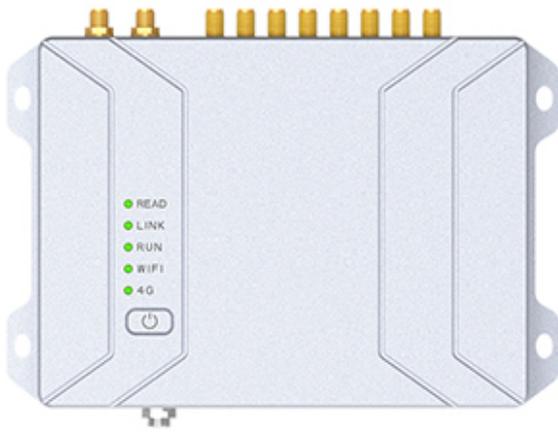
Serial Number	Signal	Content
1	PWR	+24V DC
2	CND	grounding

GPIO

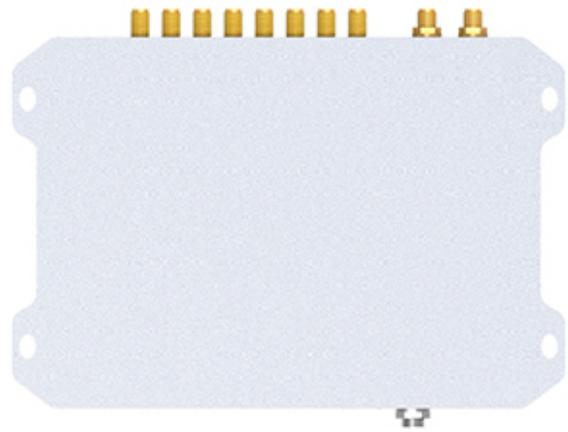
Serial Number	Signal	Content
1	RS232-RXD	Device RXD
2	GND	Signal GND
3	RS232-TXD	Device TXD
4	GND	GND
5	DC+	Power Output
6	DC-	Power Ground
7	GPO-1	GPIO Output 1
8	GPO-2	GPIO Output 2
9	GPIO GND	Signal Ground
10	GPI-1	GPIO input 1
11	GPI-2	GPIO input 2
12	GPIO GND	Signal Ground

Dimensions :

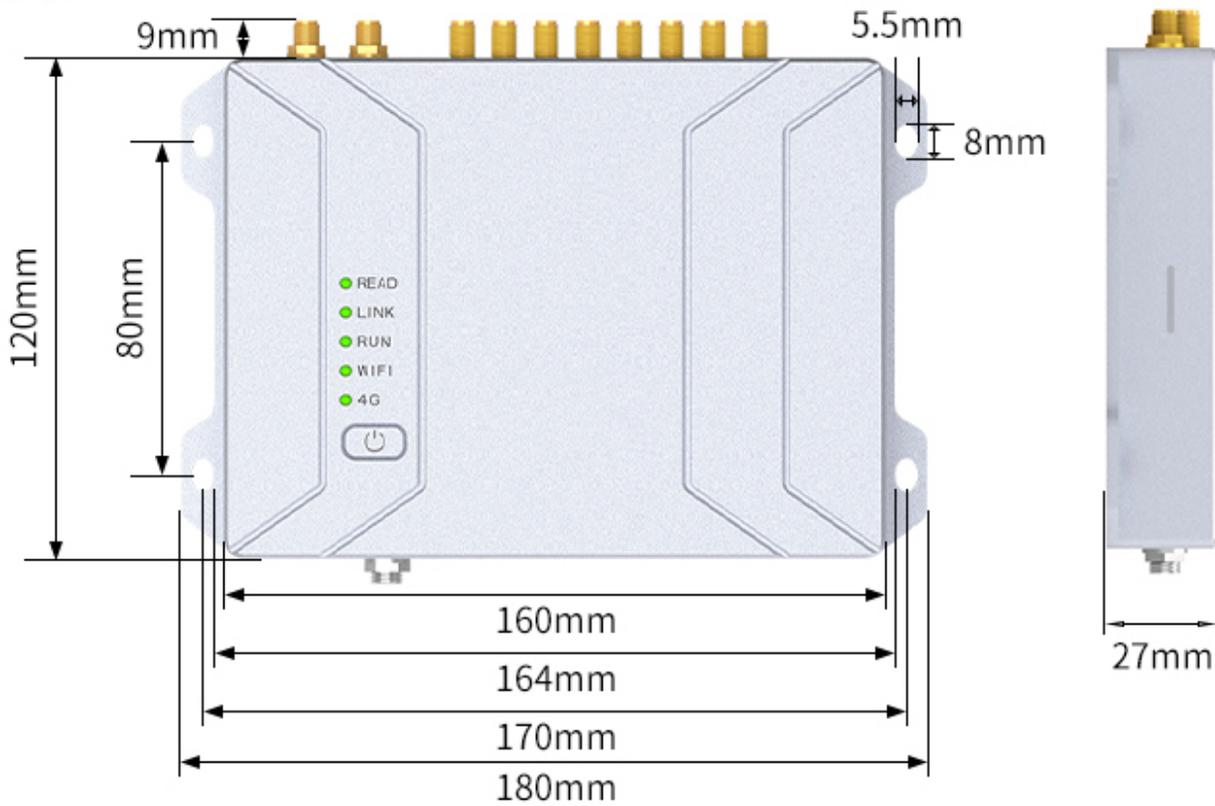
• Reader Size:180*129*27mm



Front side



Back side



Interface :

