

URA4

UHF fixed reader



The URA4 is a 4-channel fixed RFID reader based on Android 9.0 with high stability and outstanding performance. It can be applied to warehouse management, laundry, production line management, medical instrument cabinet...

It is compatible with various types of antennas.

Key features

- Android 9.0
- RS232, RJ45 and HDMI



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General specifications

Operating System	Android 9.0
CPU	Qualcomm 1.8 GHz Octa-core
Memory	3 GB + 32 GB, option: 2 GB + 16 GB
Dimensions	214 (L) x 148 (W) x 30 (H) mm
Weight	1000g (without antenna)
Material	Aluminium alloy
Input voltage	DC 10V – 24V
Standby current	< 30mA
Work current	1300mA +/-5% @ DC 12V Input
Communication interface	1*RS-232 , 1*RJ45, 3*USB2.0 Type A, 1*Type C, USB Host
Display interface	HDMI Type A, support 720P
GPIO	4 Input optical-couplings, 4 output optical-couplings, isolation, 1 Wiegand
Baud rate	115200 bps
Cooling mode	Air cooling
Power	DC (12V), POE (802.3af 13W), POE+ (802.3at 25.5W)

Developing environment

Language	Java
Tool	Eclipse/Android Studio

Wireless communication

Wifi	Support 802.11 a/b/g/n/ac/d/e/h/i/k/r/v, 2.4G/5G dualband, IPV4, IPV6; Fast roaming: PMKID caching, 802.11r, OKC Operating Channels: 2.4G(channel 1~13), 5G(channel 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,149,153,157,161,165) Security and Encryption: WEP,WPA/WPA2-PSK(TKIP and AES),WAPI-PSK—EAP-TTLS,EAP-TLS, PEAPMSCHAPv2, PEAP-LTS,PEAP-GTC,etc.
Ethernet	10/100 Base-T Ethernet (RJ45)
3G / 4G	WWAN (Europe, Asie) : 2G: 850/900/1800/1900MHz, 3G: CDMA EVDO: BC0, WCDMA: 850/900/1900/2100MHz, TD-SCDMA: A/F(B34/B39), 4G: B1, B3, B5, B7, B8, B20, B38, B39, B40, B41 WWAN (Amérique): 3G: B2/B4/B5, 4G: B2/B4/B5/B7/B12/B13/B17/B28a/B28b

User environment

Operating temperature	-25 °C to +65 °C
Storage temperature	-40 °C to +85 °C
Humidity	10% - 95%

V1.0

Non-contractual datasheet

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RFID UHF

Engine	CM2000-4 module based on Indy R2000; CM710-4 module based on E710 (coming soon)
Protocol	EPC global UHF Class 1 Gen 2 / ISO 18000-63
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Output power	1W (30dBm, support +5~+30dBm adjustable, POE/DC power) Oprion: 2W (33dBm, support +10~+33dBm adjustable, POE+/DC power, for Latin America, etc.)
Output power precision	+/- 1dB
Output power flatness	+/- 0.2dB
Receive sensitivity	< -84dBm
Fastest read rate	900+ tags/sec
RSSI	Supported
Ambient temp monitor	Supported
Antenna detector	Supported
Antenna	Supporting a variety of antennas, such as 6dBic, 9dBic
Antenna port	4 channel 50Ω TNC port

Dimensions



V1.0

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