

# URA8

## 8 Channel UHF Reader



URA8 is an 8-channel fixed RFID reader, based on Android 9 Integrated with Impinj E710 / R2000 RFID chip, It supports RS232, RJ45 and HDMI, and can be compatible with various types of antennas. With high stability and outstanding performance, URA8 can be ideally applied to warehouse management, archives and library management, bank, clothing and footwear retail, jewelry monitoring, watch industry, laundry, production line management, medical instrument cabinet and vending machines.



ANDROID



LTE



WIFI



RFID UHF



GPIO



RS232



ETHERNET

# URA8 Specifications

Physical Characteristics	
<b>Dimensions</b>	162*95*22mm
<b>Weight</b>	448g
<b>Material</b>	Aluminium Alloy
<b>Power Supply</b>	10 - 24Vdc POE (802.3af 13W), POE+ (802.3at 25.5W) Standby 30mA
<b>Current</b>	Working 1.3A +/- 5% @ 12Vdc
<b>Interfaces</b>	RS232 - Ethernet 10/100TP - USB
<b>Display Interface</b>	HDMI Type A support 720P
<b>GPIO</b>	2 Optoisolated Input 2 Optoisolated Output

Performance	
<b>CPU</b>	Qualcomm 1.8GHz Octa-Core
<b>RAM+ROM</b>	3GB DDR 32GB eMMC 4GB DDR 64GB eMMC (optionally)
<b>Expansion</b>	Supports up to 128 GB Micro SD card

Developing Environment	
<b>Operating System</b>	Android 9
<b>SDK</b>	Chainway Software Development Kit
<b>Language</b>	Java
<b>Tool</b>	Eclipse / Android Studio

User Environment	
<b>Operating Temp.</b>	-20°C to 65°C
<b>Storage Temp.</b>	-40°C to 85°C
<b>Humidity</b>	5%RH - 95%RH non condensing
<b>Sealing</b>	IP54 per IEC sealing specifications
<b>ESD</b>	±15KV air discharge, ±4KV conductive discharge

RFID	
<b>UHF</b>	
<b>Engine</b>	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000
<b>Protocol</b>	EPC C1 Gen2 / ISO18000-6C 865-868Mhz ETSI 920-925MHz FCC 902-928MHz China
<b>Frequency</b>	1W (30dBm, support +5-+30dBm adjustable) 2W Optional (33dBm, support +10-+33dBm adjustable, for Latin America, etc.)
<b>Output Power</b>	
<b>Output Power Precision</b>	± 1dBm
<b>Output Power Flastness</b>	± 0.2dBm
<b>Receive Sensivity</b>	< -84dBm
<b>RSSI</b>	Supported
<b>Ambiente Temperature Monitor</b>	Supported
<b>Antenna Detector</b>	Supported
<b>Antenna Port</b>	8 Multiplexed Channel 50Ω SMA Port

Communication	
<b>Ethernet</b>	10/100 Base-T Ethernet (RJ45) Support 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v,2.4G/5G dual-band, IPV4,IPV6  Fast roaming: PMKID caching, 802.11r, OKC
<b>WLAN</b>	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), Depends on local regulations  Security and Encryption: WEP,WPA/WPA2-PSK(TKIP and AES),WAPI-PSK-EAP-TTLS,EAP-TLS, PEAP-MSCHAPv2, PEAP-LTS,PEAP-GTC,etc. 2G: B1/B5/B8 3G: CDMA EVDO: BCO TD-SCDMA: B34/B39 WCDMA: B1/B5/B8 4G: TDD-LTE: B34/B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B7/B8/B20
<b>WWAN(Europe)</b>	
<b>External antenna using SMA port</b>	

