

URA4

4 Channel UHF Reader



URA4 is a 4-channel fixed RFID reader, based on Android 9.0. Integrated with Impinj E710 / R2000 chip, it supports RS232, RJ45 and HDMI, and can be compatible with various types of antennas. With high stability and outstanding performance, URA4 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

URA4 Specifications

| Physical Characteristics | |
|--------------------------|--|
| Dimensions | 214*148*30mm |
| Weight | 1000gr |
| Material | Aluminium Alloy |
| Power Supply | 10 - 24Vdc POE (802.3af 13W), POE+ (802.3at 25.5W) Standby 30mA |
| Current | Working 1.3A +/- 5% @ 12Vdc RS232 - Ethernet 10/100TP - 3xUSB type A - 1xUSB type C host |
| Interfaces | |
| Display Interface | HDMI Type A support 720P |
| GPIO | 4 Optoisolated Input 4 Optoisolated Output |

| Performance | |
|------------------|---|
| CPU | Qualcomm 1.8GHz Quad-Core |
| RAM+ROM | 3GB DDR 32GB eMMC 2GB DDR 16GB eMMC (optional) |
| Expansion | Supports up to 32 GB Micro SD card |

| Developing Environment | |
|-------------------------|-----------------------------------|
| Operating System | Android 9.0 |
| SDK | Chainway Software Development Kit |
| Language | Java |
| Tool | Eclipse / Android Studio |

| User Environment | |
|------------------------|--|
| Operating Temp. | -20°C to 65°C |
| Storage Temp. | -40°C to 85°C |
| Humidity | 5%RH - 95%RH non condensing |
| Sealing | IP65 per IEC sealing specifications |
| ESD | ±15KV air discharge, ±4KV conductive discharge |

| RFID | |
|-------------------------------------|---|
| UHF | |
| Engine | CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000 |
| Protocol | EPC C1 Gen2 / ISO18000-6C 865-868Mhz ETSI 920-925MHz FCC 902-928MHz China |
| Frequency | 1W (30dBm, support +5-+30dBm adjustable) 2W Optional (33dBm, support +10-+33dBm adjustable, for Latin America, etc.) |
| Output Power | |
| Output Power Precision | ± 1dBm |
| Output Power Flastness | ± 0.2dBm |
| Receive Sensivity | < -84dBm |
| RSSI | Supported |
| Ambiente Temperature Monitor | Supported |
| Antenna Detector | Supported |
| Antenna Port | 4 Multiplexed Channel 50Ω SMA Port |

| Communication | |
|---------------------|--|
| Ethernet | 10/100 Base-T Ethernet (RJ45) Support 802.11 a/b/g/n/ac/d/e/h/i/k/r/v,2.4G/5G dual-band, IPV4,IPV6 Fast roaming: PMKID caching, 802.11r, OKC |
| WLAN | 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 |
| WWAN(Europe) | |

