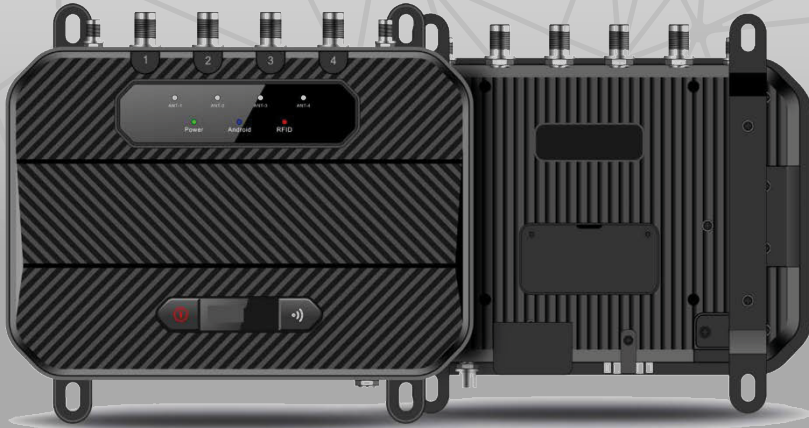


Fixed Android UHF RFID Reader

EYRA4

EYRA4 is a stand-alone four-channel fixed RFID reader. It supports RS232, RJ45 and HDMI, and can be compatible with various types of antennas. EYRA4 embeds E710 / R2000 chip and guarantees high stability and outstanding performance. It can be ideally applied to warehouse management, retail, automotive.



product SPECIFICATIONS

Physical Characteristics

Dimensions	214 (L) x 148 (W) x 30 (H) mm
Weight	1000g / 35.27 oz. (without antenna)
Material	Aluminium alloy
Input Voltage	DC 10V – 24V
Standby Current	< 30mA
Work Current	1300mA +/-5% @ DC 12V Input
Comm 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)

Performance

CPU	Qualcomm 1.8 GHz Octa-core
RAM+ROM	3 GB + 32 GB 2 GB + 16 GB (optional)

Developing Environment

Operating System	Android 9.0
SDK	Software Development Kit
Language	Java
Tool	Eclipse/Android Studio

User Environment

Operating Temp.	-25 °C to 65 °C
Storage Temp.	-40 °C to 85 °C
Humidity	10% - 95%



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Communication

Ethernet interface	10/100 Base-T Ethernet (RJ45)
WLAN	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) Depends on local regulations; Security and Encryption: WEP,WPA/WPA2-PSK(TKIP and AES),WAPI-PSK—EAP-TTLS, EAP-TLS, PEAPMSCHAPv2, PEAP-LTS,PEAP-GTC, etc.
WWAN (Europe, Asia)	2G: B1/B5/B8 3G: CDMA EVDO: BC0 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(America)	3G: B2/B4/B5 4G: B2/B4/B5/B7/B12/B13/B17/B28a/B28b

UHF

Engine	CM710-4 module based on Impinj E710
Protocol	EPC global UHF Class 1 Gen 2 / ISO 18000-6C
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Output Power	1W (30dBm, support +5~+30dBm adjustable, POE/DC power) 2W Optional (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