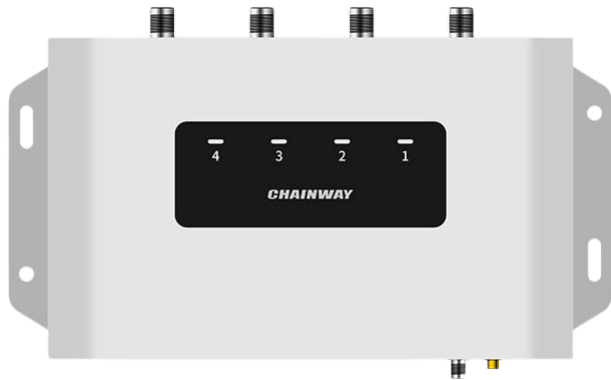


AX'Smart Reader 4 v2

UHF fixed reader



The AX'Smart Reader 4 v2 is a RAIN RFID reader running the latest version of Android 11.0 which makes it very easy to set up and use. It has 4 antenna ports with a maximum power of 30 dBm for industrial automation applications. This reader is the optimal reader for the installation of an easy, stand-alone, efficient UHF RFID reading solution for a guaranteed return on investment of your overall RFID identification system.

Key features

- Android 11.0
- 4 antenna-ports RP TNC female connector
- Wired (PoE, PoE+, USB, HDMI, RS232, GPIO) and wireless (WIFI, Bluetooth) connections
- Heat dissipation

General specifications

| | |
|-------------------------|---|
| Operating sstem | Android 11.0 |
| CPU | Quad-core, 2.0GHz |
| Memory (RAM + ROM) | 2GB + 16GB |
| Dimensions | 247 x 151 x 35mm |
| Weight | 1000g |
| Material | Aluminium alloy |
| Input voltage | DC 10V – 24V |
| Standby current | < 140mA |
| Work current | 600mA +/-5% @ DC 24V Input |
| Communication interface | 1 x RS-232 , 1*RJ45, 1 x USB Host, 1 x USB Device |
| Display interface | HDMI Type A, support 720P HD video output |
| GPIO | 4 x input optocouplers, 4 x output optocouplers, with isolation |
| Baud rate | 115200 bps |
| Cooling mode | Air cooling |
| Power | DC (24V), POE (802.3af 13W), POE+ (802.3at 25.5W) |

Wireless communication

| | |
|-----------|-------------------------------|
| WLAN | IEEE802.11 b/g/n, 2.4G |
| Ethernet | 10/100 Base-T Ethernet (RJ45) |
| Bluetooth | Bluetooth 4.0 |

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User environment

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

RAIN RFID (UHF)

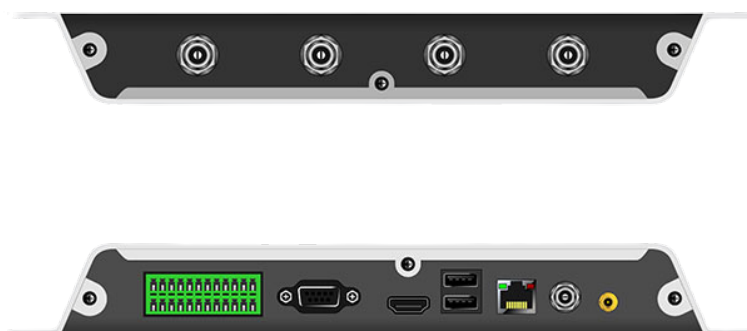
| | |
|------------------------|---|
| Engine | Module based on Impinj E710 |
| Protocol | EPC global UHF Class 1 Gen 2 / ISO 18000-63 |
| Frequency | 865-868 MHz / 920-925 MHz / 902-928 MHz |
| Output power | 1W (30dBm, support +5~+30dBm adjustable, POE/DC power) Option: 2W (33dBm, support +10~+33dBm adjustable, POE+/DC power, for Latin America, etc.) |
| Output power precision | +/- 1dB |
| Output power flatness | +/- 0.2dB |
| Receive sensitivity | < -84dBm |
| Fastest read rate | Up to 950 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 RP-TNC Female port |

Developing environment

| | |
|----------|------------------------|
| SDK | Included |
| Language | Java |
| Tool | Eclipse/Android Studio |

Reference

| | |
|-------------|--|
| LCUHF2420EU | AX'Smart Reader 4 V2 UHF, Android 11, 4 ports, RP TNC female |
|-------------|--|



V1.0

Non-contractual datasheet

AXEM Technology

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