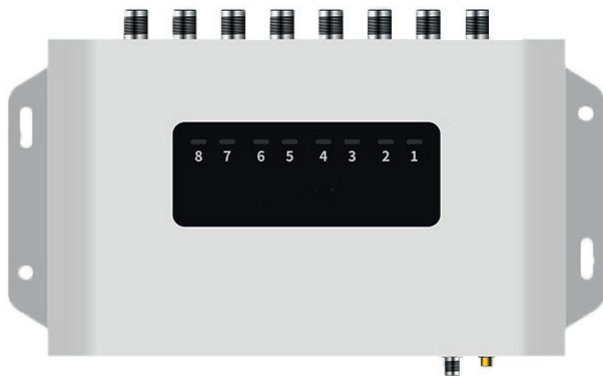


AX'Smart Reader 8 v2

UHF fixed reader



The AX'Smart Reader 8 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 8 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
- 8 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	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, 1*Wiegand
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%

RFID UHF

Engine	Module based on 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	950+ tags/sec
RSSI	Supported
Ambient temp monitor	Supported
Antenna detector	Supported
Antenna	Supporting a variety of antennas, such as 6dBic, 9dBic
Antenna port	8 channel 50Ω RP-TNC Female port

Developing environment

Language	Java
Tool	Eclipse/Android Studio



V1.0

Non-contractual datasheet

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