

# AX-4

## UHF fixed reader



The AX-4 is a 4-channels fixed UHF RFID reader based on Impinj E710 RFID chip. It is compatible with various types of antennas. This fixed UHF reader is resistant to electromagnetic interference and good at heat dispersion. It is adapted for indoor and outdoor applications.

### Key features

- 4-channels
- RS232 and RJ45
- DC 12V Power Supply

### General specifications

Dimensions	102.8 mm(L) x 102.8 mm(W) x 28 mm(H)
Weight	329 g
Material	Aluminium alloy
Input voltage	DC 9V – 12V
Standby current	< 30mA
Work current	800mA +/-5% @ DC 12V Input
Communication interface	RS-232 / RJ45
GPIO	2 channel input optical coupling, 1 channel output, electric relay, 1 channel output optical coupling (in reserve)
Baud rate	115200 bps
Cooling mode	Air cooling
Ethernet interface	10/100 Base-T Ethernet (RJ45)

### User environment

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

### Developing environment

SDK	Windows, Linux, Android
-----	-------------------------

V1.0

Non-contractual datasheet

# AX-4

## UHF fixed reader



### 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	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 channels 50Ω SMA-female port



V1.0

*Non-contractual datasheet*

AXEM Technology

11-13, rue Auguste Perret - ZAC Europarc - 94042 Créteil Cedex France

Tél. : +33 (0)1 41 94 11 85 - Fax. : +33 (0)1 49 56 91 52 - commercial@axemtec.com - www.axemtec.com