

## FU-Astra-M6 RFID integrated reader

FU-Astra-M6 is a small UHF reading and writing device with integrated antenna and reader. It integrates a high-performance single-port module, supports ISO18000-6C protocol, and its output power is adjustable from 0 DBM to 27 DBM. The reader is exquisite and compact, with long reading distance, high accuracy, high speed, strong anti-interference ability, and supports a variety of communication interfaces. It has excellent protection performance and convenient installation and use.

### 典型应用

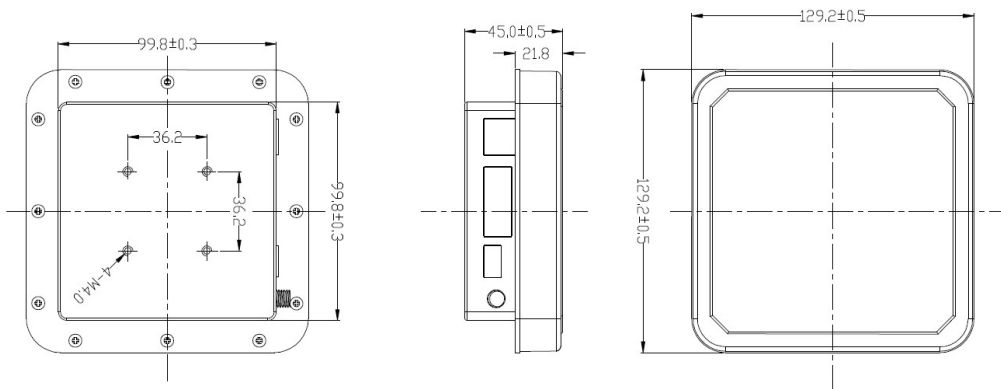
- Intelligent vehicle management such as vehicle access control management, parking lot, automatic vehicle weighing industry, etc.;
- Production automation, visual management, etc.;
- Logistics such as container management, pallet management, etc. Electronic tickets and personnel access control;
- Asset warehousing management, etc.



### Function parameters:

Physical parameter	
Size	129mmx129mmx45mm
Weighe	437g
Material aluminum	shell +PC
Power Supply	DC12V/3A
Radio frequency parameter	
Module	high-performance RFID module
RFID protocol	EPCglobalGen2V2(ISO18000-63)
Frequency	FCC(NA,SA)917.4-927.2MHz; SRRc-MII(P.R.China)920.1-924.9MHz;
Radio frequency power	Adjust from 0dBm to +27dBm.
Tag inventory rate	Up to 200 labels per second.
Axial Ratio	<1.3:1
Communication interface	RS232/RJ-4510M/100M adaptive Ethernet interface.
GPIO interface	1 IN/1 OUT (built-in optocoupler isolation), built-in buzzer.
RFID antenna	1 6dbi circularly polarized antenna
Label reading distance	0-6m (depending on label performance and test environment. )
Write label distance	0-3m (depending on label performance and test environment. )
Working environment	
Operating temperature	-20 C ~+60 C
Storage temperature	-20 C ~+80 C
humidity	5%-95%RH without condensation
Protection level	IP54
Development support	
API support	C#/.NET,Java,C

**Equipment size**



**GPIO interface definition**



1	GPIO1_IN+	GPIO1 input of module, external input anode, connected to internal optocoupler anode.
2	GPIO1_IN-	The module GPIO1 input, the external input cathode, is connected to the internal optocoupler cathode.
3	GPIO2_OUT+	GPIO2 output of module controls normally open positive pole of relay.
4	GPIO2_OUT-	GPIO2 output of module controls normally open negative pole of relay.
buzzer	GPIO4_OUT	The output of module GPIO4 is high, the buzzer beeps, the output is low, and the buzzer stops beeping.