# FAST UHF integrated reader

CF6A1E

Characteristic

- Support RSSI to identify tag signal distance

- Support password/mask mode, high security

- Relays can supply power and trigger external devices to work

- Support multiple language development, including C#, Delphi, Java, Python, VB, etc.

- Applications: vehicle management, asset anti-theft, weighing scales, animal management, personnel management, etc.

Product Specifications

RFID Technical Parameters

Frequency	902~928MHz（US） 865~868MHz（EU）
Protocol	ISO18000-6C (EPC GEN2)
RF output power	0dbm-33dbm (adjustable)
Chip solution	Impinj E710
Built-in antenna	9dBi
Polarization mode	Circular polarization
Reading distance	0-20 meters
Special functions	Support password/mask function
Working mode	Active mode Trigger mode Answer mode
RSSI	support

Data Communication

Standard interface	RS232, Wiegand, Relay
Optional interface	TCP/IP、POE、WIFI
Customizable interface	USB、TTL、RS485
Power supply	12V 2A
Card reading prompt tone	Buzzer
Indicator light	Strip light, red & green

Development Environment

SDK	Demo software, API, examples, user manual
Development language	C#, Delphi, Java, Python, VB and other languages
Firmware version	Support online upgrade

Physical parameters

Material	ABS
Color	White / Black (customized)
Dimensions	305*305*75mm
Net Weight	2kg

working environment

IP protection level	IP65
Operating temperature	-10~+55℃
Storage temperature	-20~+75℃

Details display
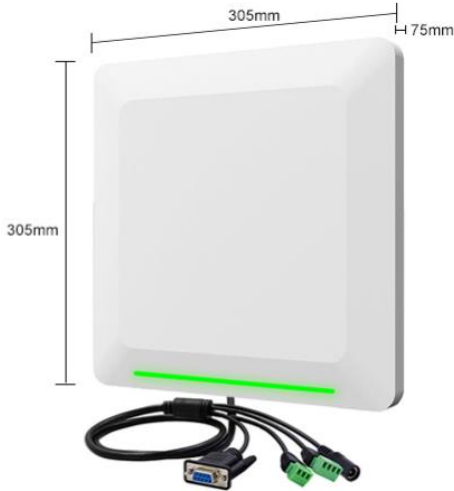
RS232

Power

Relay

WG
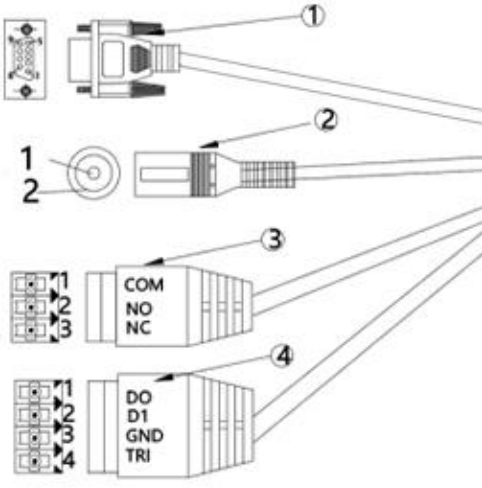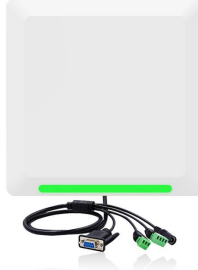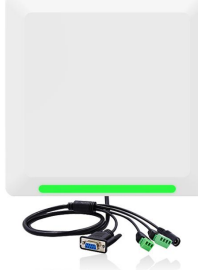
Standard interface wiring definition											
DC Power Supply		RS232			Wiegand				Relay		
12V	GND	TX	RX	GND	D0	D1	GND	TGIN	NO	NC	COM
Red	black	Light green	yellow	pink	green	White	brown	blue	Purple	orange	grey
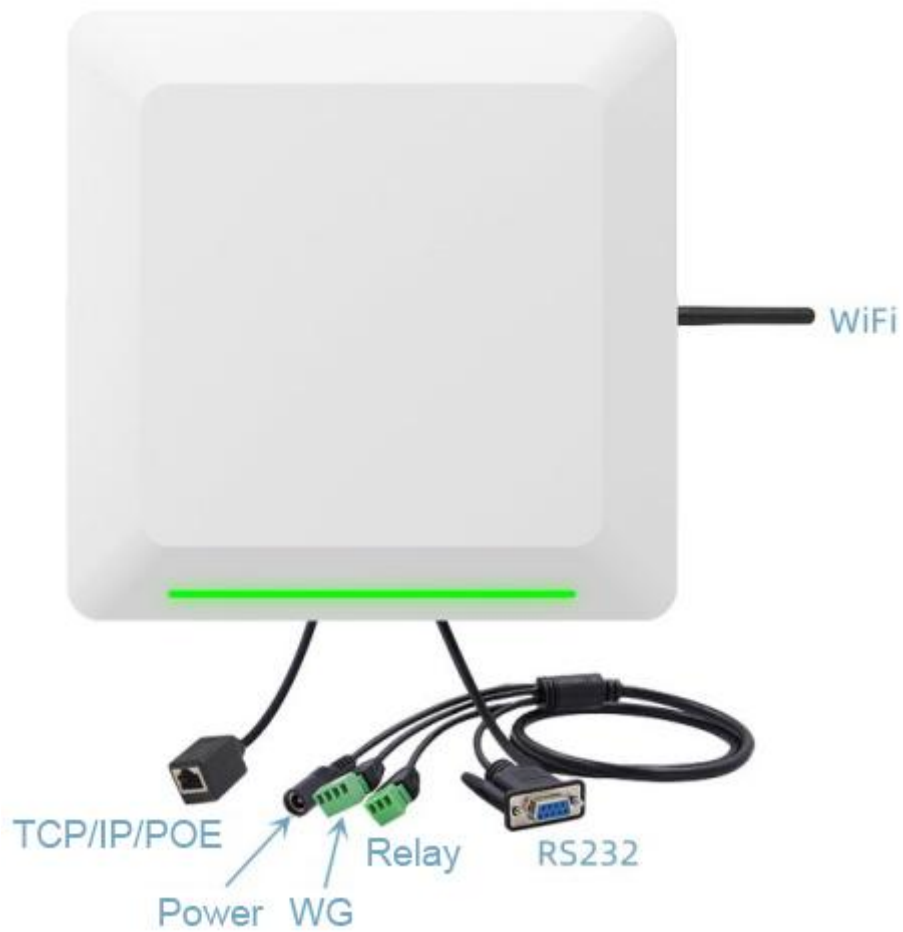
Model Definition	
Model	**Interface**
CF6A1E	RS232,Wiegand, relay, power port
CF6A2E	RS232, Wiegand, relay, power port, TCP/IP
CF6A3E	RS232, Wiegand, relay, power port, POE
CF6A4E	RS232, Wiegand, relay, power port, WIFI
CF6A5E	RS232, Wiegand, relay, power port, TCP/IP, WIFI

![CHAFON®]

Related Products

Image				
Model	CF6A1G	CF6A1E	CF6C1G	CF6C1E
Output RF power	0dbm ~33dbm (adjustable)			
Chip solution	/	Impinj E710	/	Impinj E710
Reading distance	0~15 meters (depends on antenna & tag & application environment)	0~20 meters (depends on antenna & tag & application environment)	0~20 meters (depends on antenna & tag & application environment)	0~25 meters (depends on antenna & tag & application environment)
Gain	9dBi	9dBi	12dBi	12dBi
Polarization mode	Circular Polarization	Circular Polarization	Linear polarization	Linear polarization
Dimensions	305*305*75mm	305*305*75mm	415*415*67mm	415*415*67mm