

EVEN E710 READER

UHF E710 fixed reader

CF816



Widely used in warehouse management, clothing management, animal management, production management, physical management, intelligent cabinet management

1、Product Features

CF815 EVEN E710 UHF four-channel fixed reader	
RF chip solution	Impinj E710 chip
RF Power	33dbm(adjustable)
fast card reading	Tag query speed up to 800 tags; tag cache 600 @ 128bits EPC
Polling Inventory	Multi-antenna port polling fast inventory
Communication Interface	Standard interface: USB、RS232、RS485、TCP/IP Optional interface: POE
GPIO communication	2 sets of GPI & 2 sets of GPO, can control external devices
Support multi-language development	Support C#, Delphi, java, Python, VB and other language development
Support firmware remote online upgrade	Special functional requirements can be completed through remote upgrades
With LED indicator	Check Reader working Status

2. Product parameters

CF815 EVEN E710 UHF four-channel fixed reader	
Design	Impinj E710 chip
frequency standard	902~928MHz (US) 865~868MHz (EU)
protocol standard	ISO18000-6C (EPC GEN2)
RF power	33dbm (adjustable)
Maximum query speed	800 tags/sec
Reading distance	0~25M (Depends on external antenna and tag)
data cache size	600pcs @ max 128bits EPC or 180pcs @ max 496bits EPC
mixed query	Support simultaneous query of EPC+TID area data
Operating mode	answer mode real-time query mode trigger mode (optional)
judgment distance	Support output RSSI value
voltage	12V 2A
current consumption	0.5~1.2A
Communication Interface	standard interface: USB、RS232、RS485、TCP/IP Optional interface: POE
GPIO interface	2 sets of trigger signal input 2 sets of relay signal output
Antenna port	8 SMA female
Equipment size	147*184*26mm
equipment weight	0.6kg
Individual package size	200*255*100mm
Individual package weight	1.3kg
Operating temperature	-10~+60°C
Storage temperature	-20~+75°C

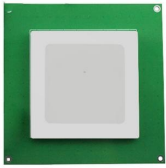
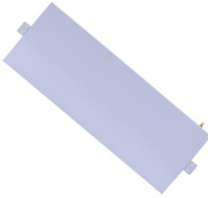
3、Interface definition

3.1Antenna interface: 8 SMA female connectors (8 different types of antennas can be connected externally at the same time)



3.2、standard interface: USB、RS232、RS485、TCP/IP
Optional interface: POE、WIFI



	
ceramic antenna	near field antenna
	
cabinet antenna	Panel antenna

4. Wiring definition

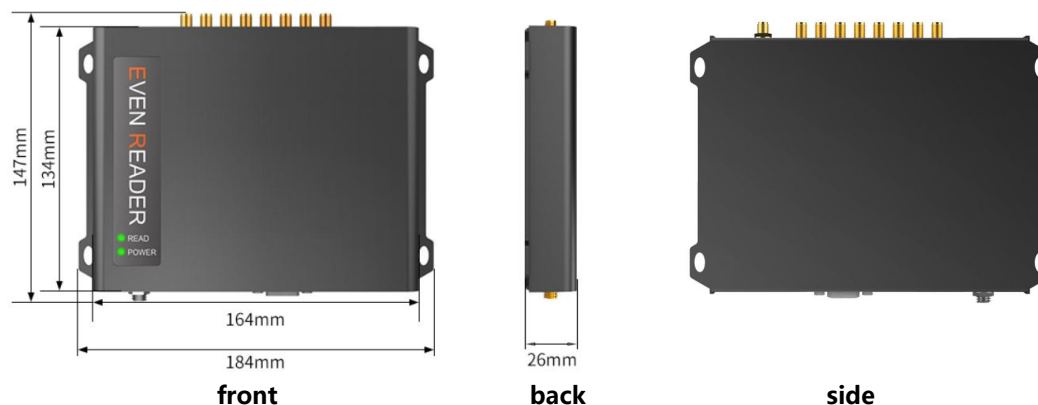
		
TCP/IP Stable network communication, wireless length limit	POE Network cable power supply, no wiring required, plug and play	WiFi Wireless communication, no wiring required

DC power supply		
serial number	Signal	content
1	PWR	+12V DC
2	CND	grounding

RS232 D89 female head		
serial number	Signal	content
1	NC	reserve
2	RXD	RS232 data input
3	TXD	RS232 data output
4	NC	reserve
5	GND	grounding
6	NC	reserve
7	NC	reserve
8	NC	reserve
9	NC	reserve

GPIO		
serial number	Signal	content
1	COM1	Relay 1-Common
2	NO1	Relay 1 - normally open
3	COM2	Relay 2-Common
4	NO2	Relay 2 - normally open
5	CND	grounding
6	GPI-1	trigger 1
7	GPI-2	trigger 2
8	CND	grounding
9	A+	RS485 data 1 (D+)
10	B+	RS485 data 0 (D-)

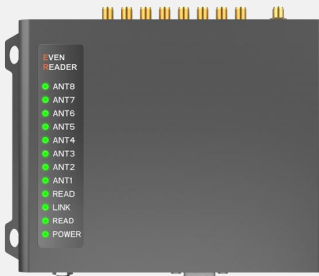
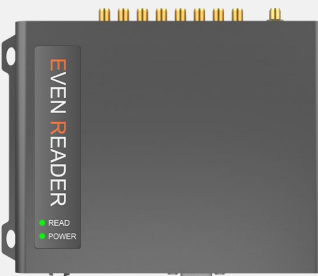
5、Product view



6、Product accessories: power adapter + plug * 1 set, serial line * 1 USB line * 1



7、EVEN Fixed series of products

			
CF810 four-channel Reading distance 0-15 meters High performance chip solution Antenna port RP TNC female	CF815 four-channel Reading distance 0-25 meters E710 chip solution Antenna port RP TNC female	CF811 eight channels Reading distance 0-15 meters High performance chip solution Antenna port SMA female	CF816 eight channels Reading distance 0-25 meters E710 chip solution Antenna port SMA female



8.Application Scenario

