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

CF816 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、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

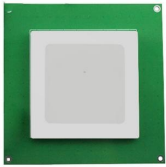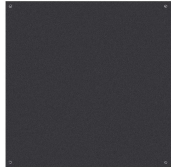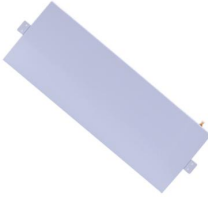| CF816 EVEN E710 UHF four-channel fixed reader	
Design	Impinj E710 chip
frequency standard	902~928MHz (US) 865~868MHz (EU)
protocol standard	ISO18000-6C (EPC GEN2)
RF power	33dbm (adjustable)
Maximum query speed	800 tags/sec
Reading distance	0~25M　(Depends on external antenna and tag)
data cache size	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、TCP/IP Optional interface：POE
GPIO interface	4 optocoupler input 4 optocoupler 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℃
Storage temperature	-20-+75℃

3、Interface definition

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

ceramic antenna	near field antenna
cabinet antenna	Panel antenna

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

4. Wiring definition

DC power supply		
No.	Symbol	content
Central	PWR	+12V DC
Outer	GND	grounding

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

GPIO		
No.	Symbol	content
1	Output1R	Universal optocoupler isolated output 1+
2	Output1L	Universal optocoupler isolated output 1-
3	Output2R	Universal optocoupler isolated output 2+
4	Output2L	Universal optocoupler isolated output 2-
5	GND	Signal ground
6	Input1＋	Universal optocoupler isolation input 1+
7	Input1-	Universal optocoupler isolation input 1-
8	Input2＋	Universal optocoupler isolated input 2+
9	Input2-	Universal optocoupler isolation input 2-
10	GND	Signal ground

RS232 D89 female head		
No.	Symbol	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

5、Product view

147mm
134mm
164mm
184mm
26mm

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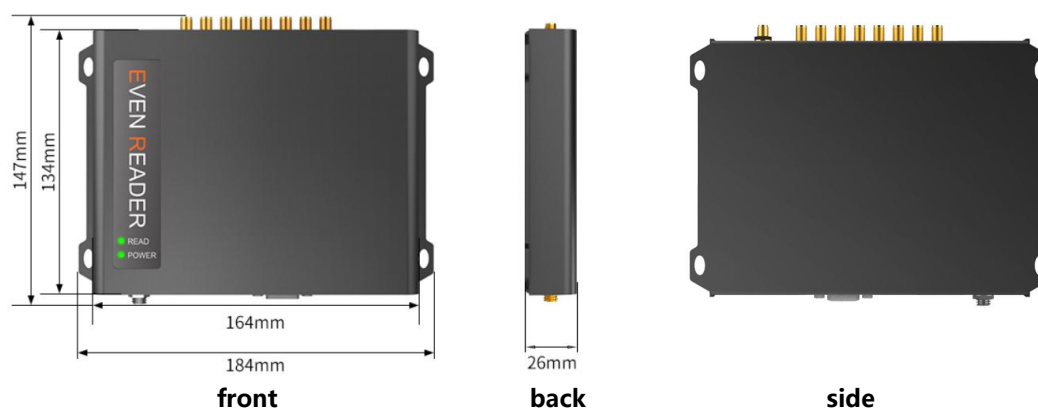
6、Product accessories: power adapter + plug * 1 set, serial line * 1 USB line * 1

7、EVEN Fixed series of products

CF810 four-channel	**CF815 four-channel**	**CF811eight channels**	**CF816eight channels**
Reading distance 0-15 meters	Reading distance 0-25 meters	Reading distance 0-15 meters	Reading distance 0-25 meters
High performance chip solution	E710 chip solution	High performance chip solution	E710 chip solution
Antenna port RP TNC female	Antenna port RP TNC female	Antenna port SMA female	Antenna port SMA female

8.Application Scenario

Warehouse management

Intelligent cabinet management

Production management

Distribution management