

EVEN E710 READER

UHF E710 fixed reader

CF815



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、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 |

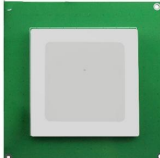
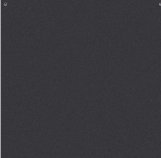
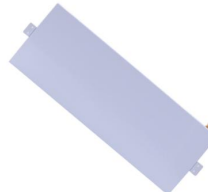

2. Product parameters

| 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、TCP/IP Optional interface: POE |
| GPIO interface | 4 optocoupler input 4 optocoupler output |
| Antenna port | 4 RP TNC female connectors (TNC reverse female connectors) |
| Equipment size | 184*161.7*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

3.1 Antenna interface: 4 RP TNC female connectors (4 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



| | | |
|---|--|--|
|  |  |  |
| 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 |

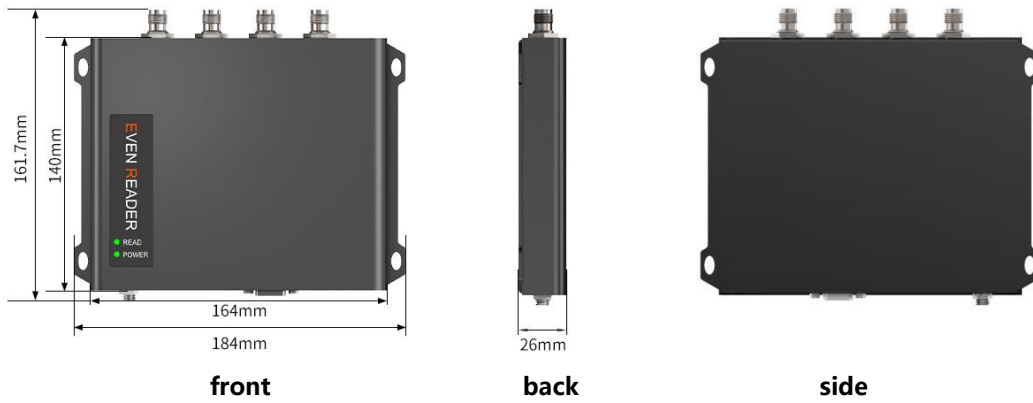
4. Wiring definition

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

| 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 |



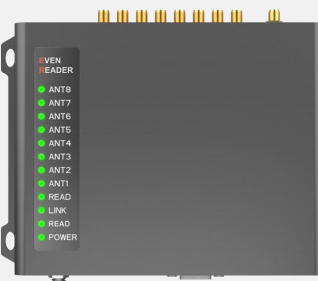
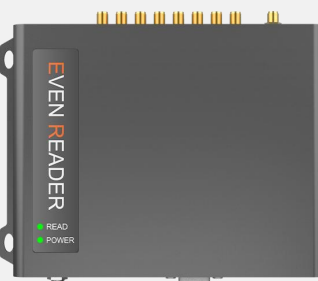
5、 Product view



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



7、EVEN Fixed series of products

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

8.Application Scenario

