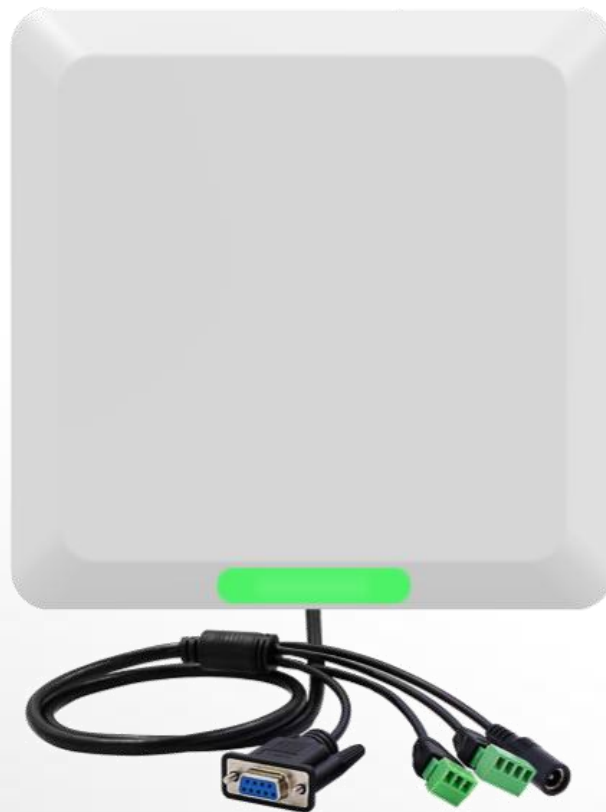# PRIME CF661

UHF integrated reader

It is widely used in highway toll management, hotel article anti-theft management, industrial production automation management, urban vehicle management, platform weighing management, container container management, etc.
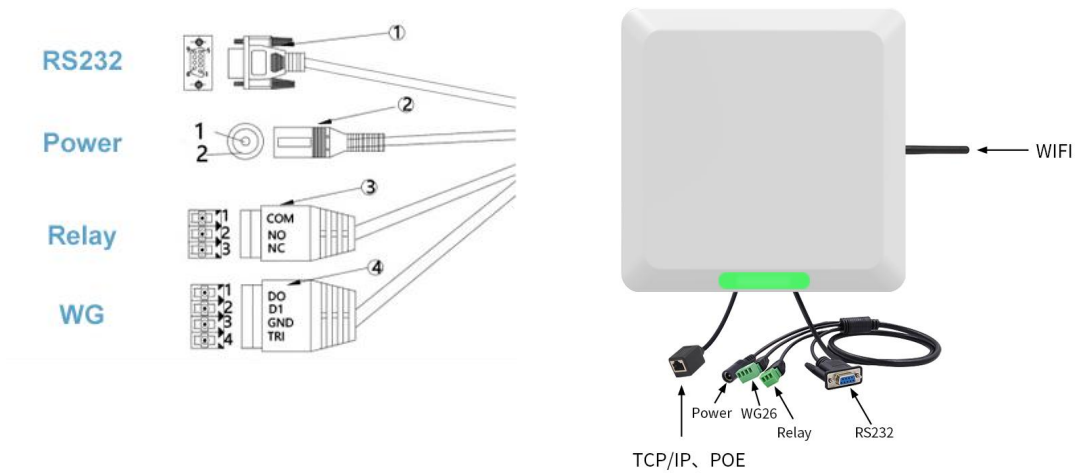
1.Product Features

Automatically scan ports/networks	Automatic scanning and connection without additional installation of drivers or configuration
Support password mode	The device is configured with an EPC access password, which only allows reading the same password label, with high security
Support mask function	The device is configured with an EPC mask, only allowed to read the same mask label, accurate matching
Support relay enable	The relay can supply power and communicate to trigger the work of external equipment
Support POE interface	A network cable completes power and communication
Support WIFI communication	Wireless network makes communication connection more convenient and efficient
Support RSSI	The uploaded data read from the tag will carry the RSSI value, which can be used as a reference to calculate and judge the distance
Support data caching	The data of network disconnection will be automatically cached and uploaded after reconnection to avoid data loss
Support remote monitoring	Just configure an IP address to monitor and receive data sent by remote devices
Support multi-language development	Support C#, Delphi, java, Python, VB and other language development
Support customization of multiple protocols	ASCII, HEX, Modbus and other protocols are optional and can be customized
Support firmware remote online upgrade	Special functional requirements can be completed through remote upgrades
Model	CF661：RS232、WG26、Relay、Power CF662：RS232、WG26、Relay、Power、TCP/IP CF663：RS232、WG26、Relay、Power、POE CF664：RS232、WG26、Relay、Power、WIFI CF665：RS232、WG26、Relay、Power、TCP/IP、WIFI

Frequency	902~928MHz (US) /865~868MHz(EU)
protocol	ISO18000-6C(EPC GEN2)
built-in antenna	6dbi circular polarized antenna
Operating mode	Active mode/trigger mode/answer mode (optional)
special function	Support password/mask function
RF power	Maximum 27dbm (adjustable)
Reading distance	0~6 meters (depending on label type and application environment)
Communication Interface	Standard interface：RS232、韦根 26、继电器 Optional interface：TCP/IP、POE、WIFI Optional：USB、TTL、RS485
Operating Voltage	9-24V (with 12V 2A power adapter)
Equipment material	ABS shell, IP65 protection grade
Equipment Specifications	Size: 220*220*56.4mm / Weight: 0.95kg
Single packing specification	Size: 49.5*38*60cm / Weight: 2.5kg
Operating temperature	10 sets per box; size: 64*44*33cm / weight: 25kg
Storage temperature	-10~+55℃
protocol	-20~+75℃

3、Interface definition

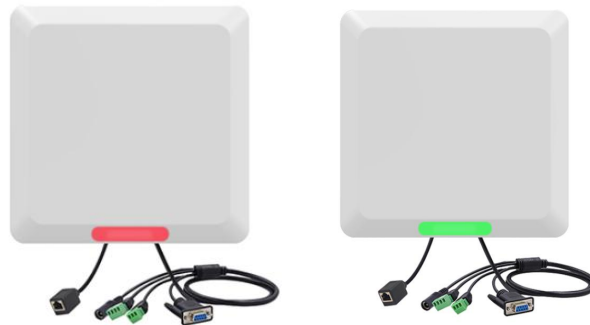Standard interface：RS232、WG26、Relay
Optional interface：TCP/IP、POE、WIFI

DC power		RS232			WG26				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

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

4.Product accessories: bracket * 1 set, plug + power adapter * 1 set

5.Working status: the red light is on when the power is on, the green light is on and flashing when reading the card, and the buzzer prompts

6.Prime Series integrated reader

CF661 Built-in antenna 6dbi Reading distance 0~6 meters 220*220*56.4mm	**CF691** **Built-in antenna 9dbi** **Reading distance 0~10 meters** **260*260*60mm**	**CF6A1** **Built-in antenna 9dbi** **Reading distance 0~10 meters** **305*305*75mm**	**CF6C1** **Built-in antenna 12dbi** **Reading distance 0~15 meters** **445*445*80mm**

7.Application Scenario

Vehicle management

Weighing management of weighbridge

Worker access management

Production line management