

CJ2504B Four-Channel UHF RFID Reader is a high performance UHF RFID read&write device, Support ISO18000-6C/6B two kinds of protocol, working frequency: 920MHz~925MHz / 840MHz~845MHz, FCC: 902MHz~928MHz, ETSI: 865MHz~868MHz, JP: 916MHz~920MHz, output power support 0dBm-33dBm, long reading distance, high speed, multi-tag recognition capability, anti-interference ability, protective performance, easy to install and use.

### Product Feature:

Using Impinj R2000 platform, bi-amplifier circuits

Processor ARM9 platform, dominant frequency 400MHz

Support ISO18000-6B/6C protocol

Internal Linux2.6 operating system, customizable and good scalability

Support RJ-45/RS-232/RS-485/USB2.0/Wiegand interface and other multiple communication interfaces

Independent model, die-casting full aluminium, efficient, heat dissipation

Support RSSI and assess the signal strength

Support antenna detection function

With extendibility of Bluetooth and WIFI wireless transmission

### Product Specifications:

<b>System</b>	
Operating system	Linux 2.6
CPU	ARM9, 400MHz
Storage	DDR SDRAM: 128M, ROM: 256M
<b>Physical parameter</b>	
Size	255mm×145mm×35mm
Weight	1.4 kg
Material	Alloy
Input Voltage	DC 24V/2.5A
<b>UHF RFID</b>	
Protocol	ISO18000-6B/6C
Frequency	FCC: 902~928MHz; ETSI: 865~868MHz GB: 920~925MHz, 840~845MHz
Output power	0~33dBm(±1.5dBm)
Power regulation	1dB stepping
Frequency bandwidth	~200kHz
Frequency stability	≤±10ppm
External interface	RS-232, RS-485~wiegand, RJ45, USB2.0
Work mode	Fixed frequency or hopping mode
RJ-45communication speed	10M/100M Ethernet interface
Reading speed	>400 times/s
I/O interface	4 optoelectronic inputs /4 relay outputs
Anti-interference ability	Good anti-interference algorithm, support reading multi-tag

Software	Support RSSI, antenna detection, online update, data filteringfunction
Radio frequency interface	4 TNC antenna interfaces
Antenna	Need external antenna
Reading distance	0~15m (depends on tag performance and usage environment)
Writing distance	0~7m (depends on tag performance and usage environment)
<b>Working environment</b>	
Working temperature	-20~+70°C
Storage temperature	-40~+85°C
Atmospheric pressure	86kPa~108kPa
Humidity	5%~95% RH no condensation
Protection level	IP55

**Typical Applications:**

Logistics industry such as container operation management, warehouse inventory management, goods tracking etc.

Intelligent vehicle management such as vehicle inspection, customs clearance, car pass inspection

Anti-counterfeiting identification

Production automation, parts process management etc.



Banking management



Asset management



Retail management



Warehouse management



Vehicle management



Customs inspection