CJ2503A UHF RFID Integrated Reader is a high-performance UHF all-in-one reader which integrated antenna and reader, and support ISO18000-6C/6B protocols. Its working frequency covers national standard dual frequency: 920MHz-925MHz, 840MHz-845MHz, FCC:902MHz-928MHz, ETSI:865MHz-868 MHz, and JP:916MHz-920MHz. Its output power is 0dBm-33dBm, and it has many good features, like long distance identification, fast speed, strong multi-label identification, strong anti-interference, high level protection and easy installing.

Product Feature:
Using Impinj R2000 RF Platform
IP66 protection, adapt to work outside all weather
CPU: ARM9 platform, basic frequency is 400MHz
Support ISO18000-6B/6C dual protocol
Built-in Linux 2.6 operating system, support customer's customized and extendable development
Support variety of communication interfaces, like RJ-45/RS-232/RS-485/Wiegand etc.
Built-in 9dBi circular polarization antenna
Support one external antenna to achieve one driving two devices set up

Product specifications:

Physical parameter	
Size	290mm×290mm×115mm
Weight	About 2.5kg(Not including accessory)
Material	Alloy+PC
Power	DC 24V/2.5A
Working Power consumption	20W(Output Power 30dBm)
UHF RFID	
Protocol	ISO18000-6B/6C
Frequency	GB :920〜925MHz, 840MHz〜845MHz FCC: 902〜928MHz ETSI: 865〜868MHz JP: 916〜920MHz（Optional）
Output Power	0〜33dBm(adjustable by software)
Power Regulation	1dB Step
Spectrum bandwidth	〜200kHz
Spectrum Stability	≤±10ppm
External Interface	RJ-45, RS232, RS485, Wiegand
Operating Mode	Fixed Frequency or Frequency hopping mode

RJ-45 communication rate	10M/100M self-adaptive
RS-232 interface	Baud Rate 115200bps(Default)
I/O interface	2 relay output/ 2 optical coupler input
Reading speed	>400 time/s
Antenna	Built-in 9dBi circular polarization antenna, and support on external antenna
Reading distance	0～10m (According to the label performance and using environment)
Writing distance	0～5m (According to the label performance and using environment)
Working Environment	
Working temperature	-30～+70°C
Storage temperature	-40～+85°C
Humidity	10%～95% RH Without condensation

Related Products:

UHF RFID Integrated Reader Application: