



XID-TECH CO., LTD(SHENZHEN)

- RFID Security & Identity Solution -

UHF R502 Four Port Reader



APPLICATIONS

- Parking system
- Warehouse inventory
- Retail shop inventory
- Document tracking
- And more...

FEATURES

- Diversified protocol: EPCglobal UHF Class 1 Gen2/ISO 18000-6C
- R2000 original chip for high performance
- Long Reading Distance: 3.5M~5M (Depending on antenna)
- Provide four TNC antenna interfaces, users can achieve superior reading performance
- Support standard serial port RS232/RS485, Wiegand26/34, USB, TCP/IP, WIFI
- Low power consumption, peak current is only 1A
- High precision return signal strength(RSSI)
- Multi-group I/O ports, controlling the functional mode of the read/writer
- Strong API user interface
- Compact size 200mm*155mm*43mm
- Authorized Certifications CE and FCC etc

SPECIFICATION

Model Name	R502
Working Voltage	DC +12V
Working Temperature	25~+65℃
Operating Temperature	≤95% (+25℃)
Storage Temperature	40~+80℃
Tag Protocol	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C
Working Frequency	840~960 MHz
Supporting Working Area	China 1, China 2 US, Canada and other regions following U.S. FCC Europe and other regions following ETSI EN 302 208 with & without LBT regulations Japan Korea Malaysia Taiwan
Output Power	Software adjustable, step interval 1.0dB, maximum +30dBm
Output Power Flatness	±0.2dBm

Receiving Sensitivity	82dBm
RF Port Standing Wave	≤1.5
Reading Distance	≥10m (with 8dBi antenna)
Multi-tags Reading	≥400tags/s
Interface Communication Rate	115200bps
Working Temperature Detection	Support
Intensive Read/Write Mode DRM	Support
Antenna Connection Protection	Support
RSSI	Support
Antennae Interface	Four (TNC)
Communication Port	USB(A Female)、RS485、RS232 (DB-9) and RJ45 (100M Ethernet port)
Buzzer	Yes
Enclosure	aluminum alloy enclosure
Dimension	23.50*18.5*4.3CM
LED indicator light	Red LED for power light Green LED for the status indication

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