power   lan   1   2   3   4

ANT1
ANT2
ANT3
ANT4

LAN   RS232

2 years warranty

QUALICA-RD UHF4

Excellent RFID-UHF reading performance. Windows.

Qualica-RD UHF4 is a **high-performance four-channel fixed UHF reader.** Integrated with the Impinj E710/R2000 RFID chip, it supports RS232 and RJ45, and can be compatible with various types of antennas. Programming in Windows environment.

With stable capability, the RFID reader can be deployed in multiple industries, such as warehouse management, archive and library management, bank, clothing and footwear retail, jewelry control, as well as, vending machines, etc.

LAN   RS232

QUALICA-RD
UHF4 UHF Fixed Reader

Alien Technology

Features

	Elegant Design		Impinj R2000 Chip
	DC 12V power supply		Supports RS232 / RJ45
	Compatible with various types of antennas		

Functions

	Apparel and Footwear Retailing		Jewelry Monitoring
	Vending Machines		Intelligent manufacturing
	Archives and Library Management		Inventory management

Technical Specifications

Physical Characteristics

Dimensions	102.8 mm(L) x 102.8 mm(W) x 28 mm(H)
Weight	329 g / 11.6 oz. (without antenna)
Material	Aluminium alloy
Input Voltage	DC 9V – 12V
Standby Current	< 30mA
Work Current	800mA +/-5% @ DC 12V Input
Comm Interface	RS-232 / RJ45
GPIO	2 channel input optical coupling, 1 channel output electric relay, 1 channel output optical coupling (in reserve)
Baud Rate	115200 bps
Cooling Mode	Air cooling
Ethernet interface	10/100 Base-T Ethernet (RJ45)

User Environment

Operating Temp.	-13°F to 149°F / -25 °C to 65 °C
Storage Temp.	-40°F to 185°F / -40 °C to 85 °C
Humidity	10%- 95%

Developing Environment

SDK	Windows, Linux, Android

UHF

Engine	CM710-4 module based on Impinj E710 CM2000-4 module based on Impinj Indy R2000
Protocol	EPC global UHF Class 1 Gen 2 / ISO 18000-6C
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Output Power	1W (30dBm, support +5~+30dBm adjustable)
	2W Optional (33dBm, support +10~+33dBm adjustable, for Latin America, etc.)
Output Power Precision	+/- 1dB
Output Power Flatness	+/- 0.2dB
Receive Sensitivity	< -84dBm
Fastest Read Rate	900+ tags/sec
RSSI	Supported
Ambient Temp Monitor	Supported
Antenna Detector	Supported
Antenna	Supporting a variety of antennas, such as 6dBic, 9dBic
Antenna Port	4 channel 50Ω SMA port

Product specifications are subject to change without notice. QUALICA-RD S.L   qualicard.eu

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