

UR4

4 Channel UHF Reader



UR4 is a high-performance four-channel fixed UHF reader. The core module adopts the Impinj E710 / R2000 chip, With the high stability, excellent anti-electromagnetic interference capability, and better heat dissipation performance, the device fulfils the requirements for installation in various indoor & outdoor environments in diverse industries with strict RFID application standards such as warehouse management, archives, and library management, bank, clothing, and footwear retail, jewelry monitoring, watch industry, laundry, production line management, medical instrument cabinet, and vending machines.



RFID UHF



GPIO



RS232



ETHERNET

UR4 Specifications

Physical Characteristics	
Dimensions	103*103*28mm
Weight	330gr
Material	Aluminium Alloy
Power Supply	9-12Vdc
Current	Standby 30mA Working 0.8A +/- 5% @ 12Vdc
Interfaces	RS232 / Ethernet 10/100TP
GPIO	2 Optoisolated Input 1 Relay Output

User Environment	
Operating Temp.	-20 °C to 65 °C
Storage Temp.	-40 °C to 85 °C
Humidity	10%RH - 95%RH non condensing
Sealing	IP50 per IEC sealing specifications
ESD	±15KV air discharge, ±4KV conductive discharge

RFID	
UHF	
Engine	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000
Protocol	EPC C1 Gen2 / ISO18000-6C
Frequency	865-868MHz ETSI 920-925MHz FCC 902-928MHz China
Output Power	1W (30dBm, support +5-+30dBm adjustable) 2W Optional (33dBm, support +10-+33dBm adjustable, for Latin America, etc.)
Output Power Precision	± 1dBm
Output Power Flastness	± 0.2dBm
Receive Sensivity	< -84dBm
RSSI	Supported
Ambiente Temperature Monitor	Supported
Antenna Detector	Supported
Antenna Port	4 Multiplexed Channel 50Ω SMA Port



TechSigno srl is an independent company that build RFID system and intelligent objects for multimedia, industrial, transportation, medical, and wireless applications. Working closely with our customers, we meet the specific made-to-order demands of our customer to achieve maximum functionality, efficiency, reliability and therefore satisfaction.

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