

UHF 8-PORT READER IDT UR8



Android 9.0



4G



UHF RFID



DC/POE
Power Supply



Supports
RS232/RJ45/
HDMI

IDT UR8 is an 8-channel fixed RFID reader, based on Android 9 Integrated with Impinj E710 / R2000 RFID chip, it supports RS232, RJ45 and HDMI, and can be compatible with various types of antennas. With high stability and outstanding performance, IDT UR8 can be ideally applied to 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.

PHYSICAL PARAMETER

Dimension	162mm(L) x 95mm(W) x 22mm(H)
Weight	448 g
Material	Aluminium alloy
Input Voltage	DC 10V – 24V
Standby Current	< 30mA
Work Current	800mA +/-5% @ DC 12V Input
Comm Interface	1*RS-232 , 1*RJ45, 2*USB2.0 Type A, USB Host
Display Interface	HDMI Type A, support 720P
GPIO	2 channel input optical coupling, 2 channel output optical coupling
Baud Rate	115200 bps
Power	DC (12V), POE (802.3af 13W), POE+ (802.3at 25.5W)

PERFORMANCE

CPU	Cortex-A53 Qualcomm 1.8 GHz Octa-core Octa-core, 2.3GHz
RAM+ROM	3 GB + 32 GB
	2 GB + 16 GB (optional)
	4 GB + 64 GB (optional)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature -25 °C to +65 °C

Storage Temperature -40 °C to +85 °C

Humidity 10%- 95%

COMMUNICATION

WLAN Support 802.11 a/b/g/n/ac/d/e/h/i/k/r/v, 2.4G/5G dualband, IPV4, IPV6;
Operating Channels: 2.4G(channel 1~13), 5G(channel 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,149,153,157,161,165), Depends on local regulations;
Fast roaming: PMKID caching, 802.11r, OKC;
Security and Encryption: WEP,WPA/WPA2-PSK(TKIP and AES),WAPI-PSK—EAP-TTLS,EAP-TLS, PEAPMSCHAPv2, PEAP-LTS,PEAP-GTC,etc.

WLAN 2G: B3/B5/B8
3G: CDMA EVDO: Bc0
TD-SCDMA: B34/B39
WCDMA: B1/B5/B8
4G: TDD-LTE: B34/B38/B39/B40/B41
FDD-LTE: B1/B3/B5/B7/B8/B20

UHF RFID

Engine CM710-8 module based on Impinj E710
CM2000-8 module based on Impinj Indy R2000

Frequency 865-868 MHz / 920-925 MHz / 902-928 MHz

Protocol EPC global UHF Class 1 Gen 2 / ISO 18000-6C

Output Power 1W (30dBm, support +5~+30dBm adjustable, POE/DC power)

Output Power Precision +/-1dB

Output Power Flatness +/- 0.2dB

Fastest Read Rate 900+ tags/sec

Receive Sensitivity < -84dBm

RSSI Supported

Ambient Temp Monitor Supported

Antenna Detector Supported

Antenna Supporting a variety of antennas, such as 6dBic, 9dBic

Antenna Port 8 channel 500 SMA port

DEVELOPING ENVIRONMENT

SDK	Android / IOS SDK Supported
Operating System	Android 9
Language	Java
Tool	Eclipse / Android Studio

ORDER INFORMATION

Part Number	IDT.UHF.UR8
-------------	-------------

APPLICATION AREA



Clothing and Footwear Retail



Vending Machines



Jewelry Monitoring



Intelligent Manufacture



Archives and Library Management



Inventory Management



ID TECH SOLUTIONS PVT. LTD.

610, Udyog Vihar Phase-5, Gurgaon, Haryana - 122016, INDIA | T. : +91-124 - 4255530 (6 Lines)

E.: info@idsolutionsindia.com | W: www.idsolutionsindia.com



The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.

©2020 ID Tech Solutions Pvt. Ltd. All Rights Reserved.