Fixed Android UHF Reader

HLR-CW800A-TAI

This is an 8-channel fixed RFID reader, based on Android 5.1. Integrated with Impinj R2000 RFID chip, it supports RS232, RJ45 and HDMI, and can be compatible with various types of antennas. With high stability and outstanding performance, CW800A 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.

Specification

Physical Characteristics

Dimensions	162mm(L) x 95mm(W) x 22mm(H)
Weight	448g / 15.80oz (without antenna)
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
Cooling Mode	Air cooling
Power	DC(12V), POE(802.3af 13W), POE+(802.3at 25.5W)

Developing Environment

Operating System	Android 5.1
SDK	Software Development Kit
Language	Java

UHF

Engine	CM2000-8 module based on Impinj Indy R2000
Protocol	EPC global UHF Class 1 Gen 2 / ISO 18000-63
Frequency	865-868MHz/920-925MHz/902-928MHz
Output Power	1W (30dBm, support +5~+30dBm adjustable, POE/DC power)
	2W Optional (33dBm, support +10~+33dBm adjustable, POE+/DC power, 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	8 channel 50Ω SMA port