

Shine 100 IOT Smart UHF Integrated RFID Reader



Shine 100 (model number HH100) is a Hopeland new designed masterpiece – IOT smart UHF integrated RFID reader, which running with Impinj INDY R2000/E710 high performance RFID chip, and operated on Android 9.0 operation system. Support the extension of an external antenna.. 4GB RAM and 64G ROM capacity. Built-in WiFi, Bluetooth, 4G and other wireless communication functions, with RJ45, RS485 and I/O communication interfaces, and POE optional.

Features

- Powered by Impinj R2000/E710 chipset for maximum tag detection performance.
- Android OS based open development environment
- Support web management platform
- Support MQTT provides real-time, reliable messaging services for connecting cloud servers
- Support HTTP POST communication to send the tag data to the web URL directly
- Support to send the tag data to the specified database directly
- Kinds of communication interfaces: RJ45, RS485, Wiegand, WiFi , Bluetooth , 4G
- Support RSSI, antenna detection, online update

- RSSI & speed filters

Specifications

HARDWARE, OS AND FIRMWARE MANAGEMENT

Processor	MT6765, Octa-Core 2.3Ghz
Memory	Flash 64GB; DRAM 4GB
Operating System:	Android 9.0
Firmware Upgrade	Demo software / Web Windows platform– .Net / .Net core / C++ / Java SDK
API Support	Android platform - Java Linux platform – Java SDK

PHYSICAL CHARACTERISTICS

Dimensions	276mmx276mmx70mm
Weight	About 1.76kg (net weight)
Housing Material	Die-cast aluminum
Visual Status Indicators	Power/Status, Ant 1-2, WiFi, 4G, Bluetooth, hidden light strip

RFID CHARACTERISTICS

Air Protocols	ISO/IEC18000-6B, 6C / EPC C1Gen2 C2GEN2 optional
	CHN : 920MHz ~ 925MHz (CMII)
Frequency	USA: 902 MHz-928MHz (FCC part 15) EU: 865-868MHz (ETSI EN 302208)
Built-in antenna	Circular 9dBi, VSWR ≤ 1.2:1
Output Power:	0dBm-35dBm (±1dBm) adjustable
Channel bandwidth:	< 200KHz
Anti-collision	Support multi-tag / intensive inventory
Work Mode:	Fixed/hop frequency optional

CONNECTIVITY

	RJ45, RS-485, Wiegand 26/34/66
Communications	WiFi : 802.11 a/b/g/n/ac 4G :LTE-FDD(CAT-7)/LTE-TDD(CAT-7)/WCDMA/TD-SCDMA/

EVDO/CDMA/GSM

General Purpose I/O

Bluetooth : BT v2.1+EDR , 3.0+HS,v4.1+HS

Power supply

2 inputs(DC 0~24V), 2 relay outputs(DC_MAX:30V,2A;
AC_MAX:125V,0.3A), optically isolated

Antenna Ports

DC 24V/2.5A (DC 9V ~ 30V,60W) or POE(IEEE 802.3 at/bt)

1 Reverse Polarity TNC port; circular or linear polarization; near
and far field compatible

ENVIRONMENTAL

Operating Temp.

-20 - +70°C

Storage Temp.

-40 - +85°C

Humidity

10-95% non-condensing (+25°C)

Sealing

IP67

Outline Dimensions

