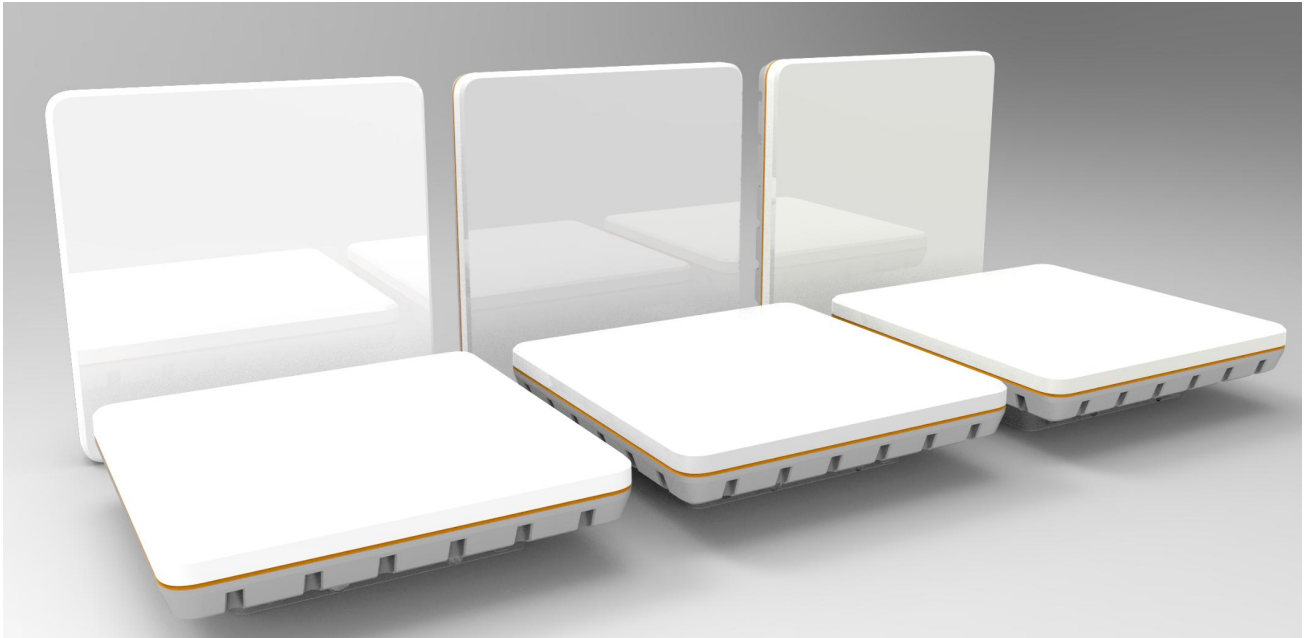


# HH100 IOT Smart Integrated Reader



HH100 is a masterpiece of Hopeland's new design-the intelligent UHF RFID integrated reader for the Internet of Things. It uses Impinj INDY R2000/E710 high-performance RFID chip, supports ISO18000-6C/6B, GB/T 29768, GJB 7377.1 Protocol, running Android 9.0 operating system. Support to extend an external antenna.

2GB RAM and 16G ROM capacity, can support offline work of 40,000 tags. It has wireless functions such as WiFi, Bluetooth, 4G, USB, RJ45, RS232/485 and I/O communication interfaces, and POE is optional.

## Main Functions

- \* Die-cast aluminum anti-vibration design
- \* Nice, simple but strong all in one
- \* Octa-core support fastest processing

- \* IP65-67 optional, best outdoor application
- \* Additional RF port for better cost and install
- \* Android 9.0 open development environment
- \* Impinj chipset brings max RFID performance

Support to update into newest chipset

- \* Web platform for remote configuration
- \* Directly send data to database without SDK
- \* Wi-Fi, BT,4G built-in standard, PoE max 35db
- \* Temperature and humidity tag compatible
- \* OEM, ODM support, customized baseband/ software optional
- \* Run your APK program in this device directly

## Specification

### Hardware

Processor	MT6765, octa-core 2.3Ghz
Memory	Flash 16GB; DRAM 2GB
OS	Android 9.0
Firmware Upgrade	Demo software/ Web page
API Support	Androia - Java

### Physical Parameter

Dimension	276mmx276mmx69.1mm
Weight	2Kg
Shell Material	Die-cast aluminum
Indicator Light	Power supply, working status, antenna port, WiFi, 4G, Bluetooth

### RFID Parameter

Protocol	ISO18000-6B/C、GB/T 29768、GJB 7377.1 、EPC C1G2 <b>Protocol: ISO/IEC 18000-6B, ISO/IEC18000-6C / EPC C1G2, GEN2V2</b>
Work Frequency	<b>Impinj R2000 chip, new E710 update optional</b> Frequency: FCC / CE(ETSI) / CN(CMII) in standard

	Russia, Japan, Brazil, Australia, etc, special frequency band optional
RF Output	0dBm-35dBm ( $\pm 1$ dBm) adjustable
Reading Distance	0~ $\geq 30$ m(According to Tag & Environment, max 40m)
Channel Occupied Bandwidth	< 200KHz
Anti-conflict	Support multi-tag/intensive reading
Operating Mode	Fixed /hopping frequency optional
Main Functions	Automatic reading/ White list Breakpoint Resume / Match reading / Data filter Data format customizable (PLC / Modbus compatible) RF Micron / EM Temperature sensor custom Services
Web platform functions	HttpPost, MQTT, MySQL, Microsoft SQL,
Customization Service	Logo, Brand, color, software, IP level, all support, depends on your project and quantity

### Connection

	RJ45, RS-232/485,Weigand
	WiFi : 802.11 a/b/g/n/ac
Communication	4G: LTE-FDD (CAT-7) /LTE-TDD (CAT-7) /WCDMA/TD-SCDMA/ EVDO/CDMA/GSM
	Bluetooth: BT v2.1+EDR, 3.0+HS,v4.1+HS
I/O Port	2 optocoupler inputs (DC 0~24V), 2 relay outputs (DC_MAX: 30V, 2A; AC_MAX: 125V, 0.3A)
Power Supply	DC 24V/2.5A (DC 9V ~ 30V,60W) or POE(IEEE 802.3 at/bt)
Antenna Port	1 reverse polarity TNC port, compatible with circular polarization, linear polarization, near field antennas, etc.

### Environmental

Work Temperature	-20 - +70°C
Storage Temperature	-40 - +85°C
Work Humidity	10-95% non-condensing (+25°C)
Protection Level	IP67