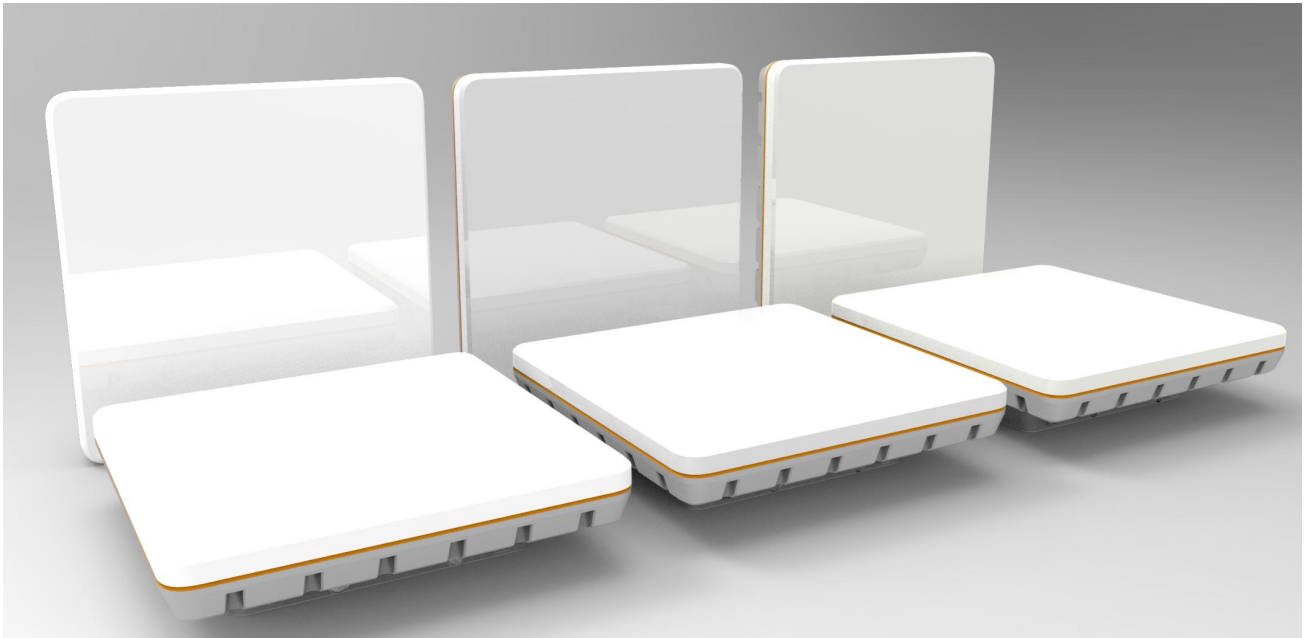


HF100 UHF Integrated Reader



HF100 is a high-performance UHF all-in-one RFID reading and writing device. It supports ISO18000-6B/6C EPC C1G2, The working frequency band supports the national standard dual frequency 920MHz ~ 925MHz, 840MHz ~ 845MHz. And FCC, 902MHz ~ 928MHz and ETSI, 865MHz ~ 868MHz, output power 0dBm ~ 35dBm optional, with long recognition distance, fast speed, super multi-tag recognition ability, strong anti-interference ability, high protection performance and easy installation and use. .

Main Functions

- * Die-cast aluminum anti-vibration design
- * Nice, simple but strong all in one
- * Using Impinj R2000 platform and bi-amp synthesis circuit
- * Built-in Linux, easy to customize application development

- * IP65-67 optional, best outdoor application
- * Additional RF port for better cost and install
- * Impinj chipset brings max RFID performance
- * Support to update into newest chipset
- * Web platform for remote configuration
- * Optional Wi-Fi, BT, PoE max 35db
- * Temperature and humidity tag compatible
- * OEM, ODM support, customized baseband/ software optional
- * Support NTP and log

Specification

Hardware

Processor	ARM9, 400MHz
Memory	Flash 128MB; DRAM 32 MB
Operating System	Linux 2.6
Firmware Upgrade	Demo software/ Web page
	Windows – .NET, C++ and Java SDK
API Support	Android - Java
	Linux platform – C and Java SDK

Physical Parameter

Dimension	276mm×276mm×70mm
Weight	1.76Kg
Shell Material	Die-cast aluminum
Indicator Light	Power supply, working status, antenna port, WiFi, Bluetooth

RFID Parameter

Protocol	ISO18000-6B/C、EPC C1G2 Protocol: ISO/IEC 18000-6B, ISO/IEC18000-6C / EPC C1G2, GEN2V2
Work Frequency	Impinj R2000 chip, new E710 update optional Frequency: FCC / CE(ETSI) / CN(CMII) in standard Russia, Japan, Brazil, Australia, etc, special frequency band optional
RF Output	0dBm-35dBm (±1dBm) adjustable

Reading Distance	0~ 20m(According to Tag & Environment)
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
Customization Service	Logo, Brand, color, software, IP level, all support, depends on your project and quantity

Connection

Communication	RJ45, RS-232/485,Weigand WiFi : 802.11 a/b/g/n/ac 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