

## Sharp 340 / 380 UHF RFID Reader



**Sharp 340 / 380** (model number: [HF340](#) / [HF380](#)) are Hopeland new designed masterpiece –standard expandable UHF RFID reader, which running with Impinj INDY R2000 high performance RFID chipset, and operated on Linux 2.6 operation system. 4-Port /8-port optional.

It supports off-line working for 40,000pcs of tags since with 2GB RAM and 16G ROM capacity. It also has wireless function as WiFi, Bluetooth, 4G, with USB, RJ45, RS232 and I/O communication interfaces, POE optional. Moreover, it could be connected with monitor via the HDMI interface.

### Features

- Powered by Impinj R2000 chipset for maximum tag detection performance.
- Kinds of communication interfaces: RJ45, RS485, Wiegand, USB
- Industrial, installation-friendly I/O connector
- Support RSSI, antenna detection, online update
- RSSI & speed filters

## Specifications

### HARDWARE, OS AND FIRMWARE MANAGEMENT

Processor	ARM9, 400MHz
Memory	Flash 128MB; DRAM 32 MB
Operating System:	Linux 2.6
Firmware Upgrade	Demo software
API Support	C#. Android - Java

### PHYSICAL CHARACTERISTICS

Dimensions	241mm×132mm×36mm
Weight	1.2Kg
Housing Material	Die-cast aluminum
Visual Status Indicators	Power/Status, Ant 1-4/8

### RFID CHARACTERISTICS

Air Protocols	ISO/IEC18000-6B, 6C / EPC C1Gen2 <b>C2GEN2 optional</b>
Frequency	USA: 902 MHz-928MHz (FCC part 15) EU: 865-868MHz (ETSI EN 302208)
Reading range	0-20m
Output Power:	0dBm-35dBm (±1dBm) adjustable
Channel bandwidth:	< 200KHz
Anti-collision	Support multi-tag / intensive inventory
Work Mode:	Fixed/hop frequency optional

### CONNECTIVITY

Communications	RJ45, RS-485, OTG, Wiegand
General Purpose I/O	4 inputs(DC 0~24V), 4 outputs(DC_MAX:30V,2A; AC_MAX:125V,0.3A), optically isolated (Terminal Block)
Power supply	DC 24V/2.5A (DC 9V ~ 30V,60W) or <b>PoE(IEEE 802.3 af/at/bt)</b>
Antenna Ports	4 Reverse Polarity TNC ports; circular or linear polarization; near and far field compatible

### ENVIRONMENTAL

Operating Temp.	-20 - +70°C
Storage Temp.	-40 - +85°C
Humidity	5-90% non-condensing (+25°C)
Sealing	IP53

## Outline Dimensions

