

Smart 340/380 UHF RFID Reader



Smart 340/380 (model number: HZ340 / HZ380) are Hopeland newly designed UHF RFID reader with the best price/performance ratio. It adopts Impinj INDY R2000 high performance RFID chip, under the premise of meeting the high performance of RFID, which streamlines some uncommon functions to meet most of the RFID application scenarios.

Typical applications

- Logistics industry such as, warehouse inventory management, cargo transfer tracking, etc.
- Intelligent vehicle management e.g. vehicle inspection, customs clearance, etc.
- Anti-forgery identification.
- Production automation, parts flow management, etc.
- E-ticketing and identification of personnel cards, etc.
- Power patrol, asset access management, etc.

Features

- Powered by Impinj R2000 chipset for maximum tag detection performance.
- Kinds of communication interfaces: RJ45、RS22
- Industrial, installation-friendly I/O connector

- Support RSSI, antenna detection, online update
- RSSI & speed filters

Specifications

SDK AND FIRMWARE MANAGEMENT

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|------------------|--|
| Firmware Upgrade | Demo software Windows platform– .Net / .Net core / C++ / Java SDK |
| API Support | Android platform - Java Linux platform – Java SDK |

PHYSICAL CHARACTERISTICS

| | |
|--------------------------|-------------------|
| Dimensions | 170mm×120mm×25mm |
| Weight | 0.5Kg |
| Housing Material | Die-cast aluminum |
| Visual Status Indicators | Power/Status |

RFID CHARACTERISTICS

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|----------------------|--|
| Air Protocols | ISO/IEC18000-6B, 6C / EPC C1Gen2 C2GEN2 optional |
| Frequency | CHN : 920MHz ~ 925MHz (CMII) USA: 902 MHz-928MHz (FCC part 15) EU : 865MHz ~ 868MHz (ETSI EN 302208) |
| Output Power | 0dBm-30dBm (±1dBm) adjustable |
| Channel bandwidth | < 200KHz |
| Frequency stability | ≤±10ppm |
| Peak Inventory Speed | > 400 tags/sec |
| Anti-collision | Support multi-tag / intensive inventory |
| Work Mode: | Fixed/hop frequency optional |

CONNECTIVITY

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|---------------------|--|
| Communications | RJ45, RS-232 |
| General Purpose I/O | 2 inputs(DC 0~24V), 2 outputs(DC_MAX:30V,2A; AC_MAX:125V,0.3A), optically isolated (Terminal Block) |
| Power supply | DC 24V/2.5A(Output power 30dBm, power consumption 8W) |
| Antenna Ports | 4 / 8 SMA ports; circular or linear polarization; near and far field compatible |

ENVIRONMENTAL

| | |
|-----------------|------------------------------|
| Operating Temp. | -20 - +70°C |
| Storage Temp. | -40 - +85°C |
| Humidity | 5-95% non-condensing (+25°C) |
| Sealing | IP53 |

Outline Dimensions



