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/ RAIN RFID E710 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.

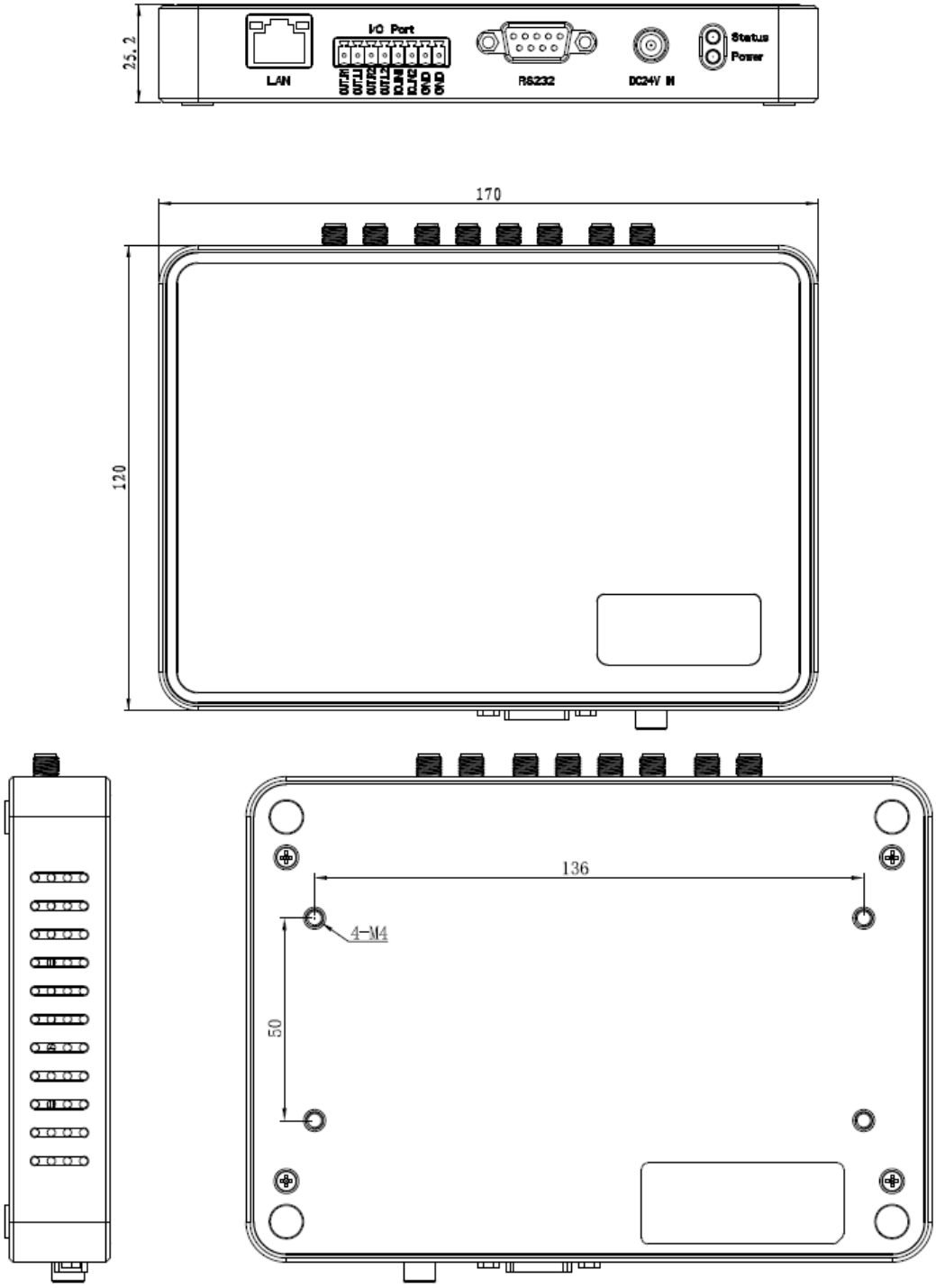
Features

- 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	
Firmware Upgrade	Demo software
API Support	Windows platform– .Net / .Net core / C++ / Java SDK 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	
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	
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℃)
Sealing	IP53

Outline Dimensions


25.2
LAN
I/O Port
RS232
DC24V IN
Status
Power
170
120
136
4-M4
50