

HR18 UHF Integrated Reader



Features

- HR18 UHF Integrated Reader achieves beyond-expected tag reading performance to meet various application scenarios
- Rich communication interfaces (Ethernet, RS232, Wiegand, etc.)
- The built-in buzzer can be set as the tag reading prompt sound
- Support online upgrade
- Support RSSI and tag data filtering
- Support custom data output format

Typical Applications

- Logistics industry such as, warehouse 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.
- Asset access management, etc.

Specifications

| SDK AND FIRMWARE MANAGEMENT | |
|------------------------------------|---------------------------------------------------------------------------------------------------|
| Firmware Upgrade | Demo software |
| API Support | Windows – .NET, Java SDK Android - Java SDK Linux – Java SDK |
| PHYSICAL CHARACTERISTICS | |
| Dimensions | 276mm×276mm×41mm |
| Weight | 1.6kg (Without accessories) |
| Housing Material | Aluminium + ABS |
| RFID CHARACTERISTICS | |
| Air Protocols | ISO/IEC18000-6C / EPC C1Gen2 |
| Frequency | 865MHz~867MHz |
| Chipset | Impinj E310/QM100 |
| Built-in antenna | Circular 9dBi, VSWR ≤ 1.2:1 |
| RF Output Power | 0-33dBm (±1dBm) adjustable |
| Channel bandwidth | <200KHz |
| Reading Distance | 0-15m (According to Tag & Environment) |
| Anti-collision | Support multi-tag inventory |
| Work Mode | Fixed/hop frequency optional |
| CONNECTIVITY | |
| Communications | RJ45, RS232, Wiegand26/34/66 |
| General Purpose I/O | 1 optcoupler input, 1 relay output |
| Power supply | DC 10V~30V Working power consumption: < 6W (read tags with 30dB output power) Standby: < 2W |
| ENVIRONMENTAL | |
| Operating Temp. | -20°C to +70°C |
| Storage Temp. | -40°C to +85°C |
| Humidity | 5-90% non-condensing (+25°C) |
| Sealing | IP65 |

Outline Dimensions

