

MID RANGE UHF INTEGRATED RFID READER IDT 85



Linux



IP 65

Antenna
Auto Tuning

UHF RFID



Low Cost

IDT 85 is a fixed mount, cost effective, midieum range UHF RFID Reader designed for applications that require durability and reliability. It delivers item visibility with the performance, quality and reliability necessary for robust solutions. It has inbuilt 8dBi antenna which provides a reading range up to 6 meters and can read over 200 tags per second. It comes with IP 65 rating making it best suitable for mid-range reading applications like Vehicle Access Management, Warehouse Management, Parking Lot Management, Toll Management, Employee / Student Tracking and others.

PHYSICAL PARAMETERS

| | |
|--------------------------|--|
| Dimensions | 225mm x 225mm x 42 mm |
| Weight | 900 g |
| Power Supply | 100-240V, DC+9V (Power Adapter) |
| Power Consumption | 1 W |
| Interfaces | Rs232, RS485, Wiegand 26/34 (TCP/IP & Wi-Fi Optional) |
| Indicators | Buzzer |
| Software Support | SDK Provided |
| Housing | ABS Plastic |

ENVIRONMENTAL SPECIFICATION

| | |
|-------------------------|--|
| Temperature | -25°C to +60°C (Operating), -25°C to +80°C (Storage) |
| Humidity | 5% RH - 95% RH non condensing |
| Protection Class | IP 65 |

UHF RFID

| | |
|-------------------------------|--|
| Work Frequency | Standard ISM 865-867 MHz (IND),865-868 MHz (EU), 902-928 MHz (US) |
| Air Interface Protocol | ISO18000-6B, EPC Class 1 Gen2 (ISO18000-6C) |
| Read Range | 0 - 8m |
| Write Range | 0 - 2m |
| Antenna | Built-in 8dBi Linear/Circular Polarized Antenna (As per requirement) |
| Operating Mode | Answer, Active, Trigger |
| Reading Rate | Software Programmable |
| Power Output | 0-30 dBm (adjustable) |
| Frequency Hopping | FHSS |

COMMUNICATION INTERFACE

| | |
|------------------|---|
| IDT 85 S | KS232/485, Weigand 26/34 |
| IDT 85 L | KS232/485, Weigand 26/34, Ethernet |
| IDT 85 LW | KS232/485, Weigand 26/34, Ethernet, WiFi |
| IDT 85 LB | KS232/485, Weigand 26/34, Ethernet, WiFi, Bluetooth |

ORDER INFORMATION

| | |
|--------------------|------------------------------|
| Part Number | IDT.UHF.85.S IDT.UHF.85.L |
|--------------------|------------------------------|

ACCESSORIES



Power Adapter



Mounting Kit

APPLICATION AREA



Parking Lot Management



Electronic Toll Collection



Warehouse Management



Employee / Student Tracking



Vehicle Access Management



ID TECH SOLUTIONS PVT. LTD.

610, Udyog Vihar Phase-5, Gurgaon, Haryana - 122016, INDIA | T. : +91-124 - 4255530 (6 Lines)

E.: info@idsolutionsindia.com | W: www.idsolutionsindia.com



The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.

©2023 ID Tech Solutions Pvt. Ltd. All Rights Reserved.