

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, medium 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

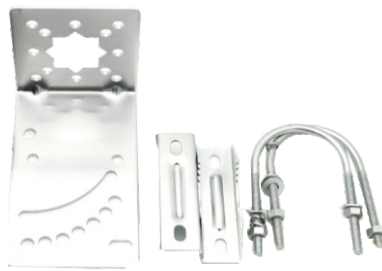
ORDER INFORMATION

Part Number	IDT.UHF.85.S IDT.UHF.85.L
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ACCESSORIES



Power Adapter



Mounting Kit

APPLICATION AREA



Parking Lot Management



Electronic Toll Collection



Warehouse Management



Employee / Student Tracking



Vehicle Access Management



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

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