MID RANGE UHF INTEGRATED RFID READER
IDT 85
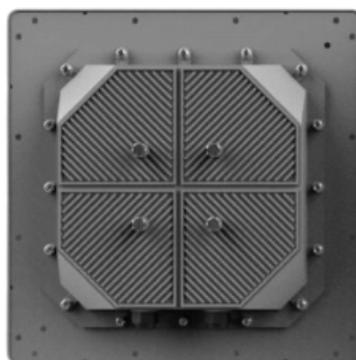
Linux

IP 65

Antenna Auto Tuning

UHF RFID

Low Cost

The IDT 85 is a fixed-mount, cost-effective, medium-range UHF RFID reader designed for reliable mid-range applications. It features a built-in 9 dBi antenna, offering a read range of up to 8 meters and the ability to read over 200 tags per second. With an IP65 rating, the IDT 85 is suitable for applications such as vehicle access management, warehouse management, parking lot management, toll management, and employee or student tracking.

PHYSICAL PARAMETERS

Dimensions	298mm x 298mm x 105mm
Weight	2800 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	LED & Buzzer
Software Support	SDK Provided
Housing	Aluminium Housing with Engineering Plastic Cover

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 9dBi 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

Power Cable

Mounting Kit

APPLICATION AREA

Parking Lot Management

Electronic Toll Collection

Warehouse Management

Employee / Student Tracking

Vehicle Access Management