

# Long Range UHF Integrated RFID Reader IDT 88



Linux



IP 65

Antenna  
Auto Tuning

UHF RFID

Easy  
Installation

Low Cost

Rugged  
Design

IDT 88 combines reader with inbuilt antenna into a single, simple-to-use, inexpensive solution. It delivers excellent performance at incredible values. This powerful UHF reader features best in-class air interface performance while the advanced software-based architecture provides a rich application platform that addresses the needs of global deployments, ensuring that features and capabilities can be added as RFID technology continues to evolve. It is characterized by long read range, long product life time, extremely high reliability and low cost of ownership. Its weatherproof design with IP65 rating ensures that the reader is the excellent choice for outdoor usage like Vehicle Access Management, Warehouse Management, parking Lot Management, Toll Management, Employee / Student Tracking and others.

## PHYSICAL PARAMETERS

<b>Dimensions</b>	445mm x 445mm x 55mm
<b>Weight</b>	2.35 Kg
<b>Power Supply</b>	100-240V, DC+9V (Power Adapter)
<b>Power Consumption</b>	10W
<b>Interfaces</b>	Rs232, RS485, Wiegand 26/34 (TCP/IP & Wi-Fi Optional)
<b>Indicators</b>	Buzzer
<b>Software Support</b>	SDK Provided
<b>Housing</b>	ABS Plastic

## ENVIRONMENTAL SPECIFICATION

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

## UHF RFID

<b>Work Frequency</b>	Standard ISM 865-867 MHz (IND), 865-868 MHz (EU), 902-928 MHz (US)
<b>Air Interface Protocol</b>	ISO18000-6B, EPC Class 1 Gen2 (ISO18000-6C)
<b>Read Range</b>	0 - 15m
<b>Write Range</b>	0 - 6m
<b>Antenna</b>	Built-in 12dBi linear/circular polarized antenna
<b>Operating Mode</b>	Answer, Active, Trigger
<b>SDP</b>	Provided DLL and Demonstration Software Source code to Facilitate Further Development
<b>Reading Rate</b>	Software Programmable
<b>RF Power Output</b>	0-30dBm (adjustable)
<b>Frequency Hopping</b>	FHSS

## COMMUNICATION INTERFACE

<b>IDT 88 S</b>	KS232/485, Weigand 26/34
<b>IDT 88 L</b>	KS232/485, Weigand 26/34, Ethernet
<b>IDT 88 LW</b>	KS232/485, Weigand 26/34, Ethernet, WiFi
<b>IDT 88 LB</b>	KS232/485, Weigand 26/34, Ethernet, WiFi, Bluetooth

## ORDER INFORMATION

<b>Part Number</b>	IDT.UHF.88.S
	IDT.UHF.88.L

## ACCESSORIES



Power Adapter



Mounting Kit

## APPLICATION AREA



Parking Lot Management



Electronic Toll Management



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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