

UHF 4-PORT READER

IDT-401

Designed using Impinj E710 module



UHF RFID



LED



IP 64



Easy
Installation

The IDT-401 is a high-performance UHF 4-Port Reader engineered for fast, stable, and accurate tag identification across demanding enterprise environments. Built on fully self-intellectual property and powered by a proprietary digital signal processing algorithm, it delivers exceptional read/write efficiency, high anti-interference capability, and superior identification rates. With adjustable 30 dBm RF output power, long-range performance, and seamless integration with RFID Antennas and RFID Tags, it is ideal for scalable industrial and logistics applications.

PHYSICAL PARAMETERS

Dimensions	310mm x 210mm x 41mm
Processor	Impinj E710 Chip
Weight	2 Kg
Power Supply	100-240V AC, DC+9V (Power Adapter)
Current Dissipation	0.5 to 1.2 A
Interfaces	RS232, RS485, USB (Host / Slave), GPIO, TCP/IP
Indicators	Buzzer & LED (Power, RF, Read, Fault)
Housing	Robust Aluminium Body

ENVIRONMENTAL SPECIFICATION

Temperature	-25°C to +65°C (Operating), -25°C to +75°C (Storage)
Humidity	5% RH - 95% RH non condensing
Protection Class	IP 64

UHF RFID

Work Frequency	865-868 MHz; 902-928 MHz
Air Interface Protocol	ISO18000-6B, EPC Class 1 Gen2 (ISO18000-6C)
Read Rate	Up to 1000 tags/second
Reading Range	Up to 15m
Antenna	4 TNC Antenna Ports support Antenna Auto-Tuning and Antenna Testing
Max Receiver Sensitivity	-82dBm
Operating Mode	Auto-Running, Interactive and Trigger-Activating
SDP	Provided DLL and Demonstration Software Source code to Facilitate Further Development
Power Output	0-30dBm (adjustable)
Frequency Hopping	FHSS or Fix Frequency Transmission

ORDER INFORMATION

Part Number	IDT.UHF.401
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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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