

# UHF 4-PORT READER IDT-404 I

Designed using Impinj E710 module



LED



IP 64



Impinj E710  
Module



UHF RFID



Easy  
Installation

IDT 404 I is purposely designed for faster, more accurate read rates and more consistent performance even in challenging environments. It has compact form-factor, autonomous on-board state machine with Flexible connectivity via LAN, USB, Serial & GPIO. State-of-the-art performance with over 450 tags reading per second. It has enterprise class 4-port flexibility to connect appropriate antennas as per the required reading rate and range. Based on efficient digital signal processing algorithm and powered by Impinj E710 Chip, it supports fast tag read/write operation with high identification rate. It can be widely applied in many RFID application systems such as Logistics, Access Control, Anti-Counterfeit and Industrial Production Process Control System and others.

## PHYSICAL PARAMETERS

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

## ENVIRONMENTAL SPECIFICATION

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

## UHF RFID

<b>Work Frequency</b>	Standard ISM 865-868 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 Rate</b>	450 tags/second
<b>Reading Range</b>	Up to 15m
<b>Antenna</b>	4 TNC Antenna Ports support Antenna Auto-Tuning and Antenna Testing
<b>Max Receiver Sensitivity</b>	-82dBm
<b>Operating Mode</b>	Auto-Running, Interactive and Trigger-Activating
<b>SDP</b>	Provided DLL and Demonstration Software Source code to Facilitate Further Development
<b>Power Output</b>	0-30dBm (adjustable)
<b>Frequency Hopping</b>	FHSS or Fix Frequency Transmission

## ORDER INFORMATION

<b>Part Number</b>	IDT.UHF.404.I
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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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