

# UHF RFID DESKTOP READER

## IDT-107



UHF RFID



IP 40

LED  
IndicatorUSB  
PoweredSmall Form  
Factor

The IDT-107 UHF RFID Desktop Reader is a compact, high-performance reader/writer designed with fully independent intellectual property. It features a proprietary signal processing algorithm for fast and accurate reading and writing of RFID tags. Ideal for retail, inventory management, logistics, anti-counterfeiting, and production process control, it delivers reliable desktop RFID solutions.

### PHYSICAL PARAMETERS

<b>Dimensions</b>	160mm x 110mm x 40mm
<b>Weight</b>	260 g
<b>Output Power</b>	DC 6V (Power Adapter) or powered by USB
<b>Interface</b>	USB, LAN (Optional)
<b>Indicators</b>	LED & 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 40

## 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>	0-300 mm
<b>Write Range</b>	0-100 mm
<b>Antenna</b>	Built-in 2.5 dBm 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>Power Output</b>	0-30dBm (Adjustable)
<b>Frequency Hopping</b>	FHSS

## ORDER INFORMATION

<b>Part Number</b>	IDT.UHF.107
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## APPLICATION AREA



Employee  
/Student  
Tracking



Retail  
Management



Asset  
Management



Entrance  
Automation



Warehouse  
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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