

D-100 / D-101 UHF



The D-100 and D-101 desktop or wall-mounted RFID UHF readers and writers are small all in one readers used to identify tags and write data in short distance especially in indoor conditions like warehouses, distribution centers, libraries...

D-100 has **M-550 UHF RFID module** and **D-101 M-553 UHF RFID module**.

D-101 is designed for near field UHF identification.

All components with the highest level and very low temperature drift coefficient, which can work in harsh environments.

The product is available in different colors: light grey, orange, black.

Option: 26 dBm Output 25°C for longer read range (from 8cm to 30cm).

D-100 / D-101 UHF

General specifications

Dimensions	122 x 84 x 200 mm
Chipset	FT232 USB: stable communication
RF Standard	EPC Global UHF Class 1 Gen 2 / ISO18000-6C
I/O Ports	USB 2.0 RS-232 Wiegand 26 Wiegand 34
Input Voltage	DC 3.5V – 5 V
Standby Mode Current	<80mA
Operating Current	180 mA @ 3.5V (26 dBm Output, 25°C) 110 mA @ 3.5V (18 dBm Output, 25°C)
Starting Time	<100mS

UHF RFID

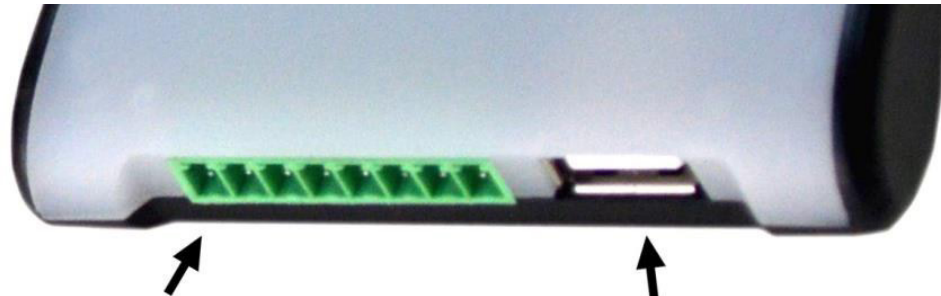
Frequency	865-868MHz/902-928MHz
Output Power	26 dBm (adjustable 18-26 dBm)
Output Power Precision	+/- 1dB
Output Power Flatness	+/- 0.2dB
Receive Sensitivity	< -70dBm
Peak Inventory Speed	> 50 pcs/s
Tag Buffer Size	200 pcs @ 96 bit EPC
Tag RSSI	Supported
Host Communication	USB 2.0; RS-232; Wiegand 26; Wiegand 34
Baud Rate	115200 bps (The default and recommended) 38400bps
Read range	D-100: from 8cm to 30cm D-101: from 1cm to 5cm

User environment

Operating Temp.	-20°C~+70°C
Storage Temp.	-20°C~+85°C
Humidity	<95% 25°C



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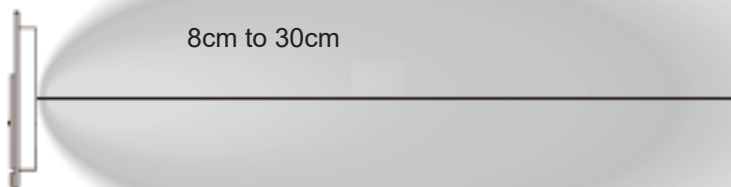
Data Connector Pin 1

USB 2.0 A Type Connector

PIN	Definition	Description
1	+9V	External 9V power supply (Note: don't connect an external power supply and USB at the same time)
2	GND	Common ground with +9V external power
3	RS-232 TXD	RS-232 data output
4	RS-232 TXD	RS-232 data input
5	GND	Common ground with RS-232 interface
6	GPO3	GPIO3 or Wiegand Data 0
7	GPO4	GPIO4 or Wiegand Data 1
8	GND	Common ground with Wiegand data

Read range: comparison between D-100 and D-101

D-100



D-101

