

RFID Reader 3012

UHF Handheld RFID Reader

General Description

UHF RFID USB Reader 105 is a USB host multi protocol UHF RFID Reader & Writer. It is designed based on efficient digital signal processing algorithm and supports fast tag read/write operation with high identification rate. It can be applied in many RFID application systems such as logistics, access control, attendance system, anti-counterfeit and industrial production process control system.

RFID Reader 3012 is a compact and rugged handheld RFID reader. It has IP64 environmental protection rating which means it is dust tight and can endure water splash. The handheld is also has impact protection which can withstand collision from 1.5 meter high drop.

The RFID reader operates at UHF frequency 920 – 925 MHz with FHSS automatic frequency hopping feature. It can read ISO18000-6C/EPC C1 Gen 2 passive tags from 6 meter distance and also can write passive tags from 3 meter distance. The core of the handheld reader is TI DM3730 1GHz processor powered by Windows CE6.0 operating system. It has 4 inch touch screen TFT LCD panel for operation.



Technical Specification

SYSTEM	
Display	4" TFT LCD Touchscreen panel
Operating System	Windows CE 6.0
Processor	TI DM3730 1GHz
System Memory	512MB DDR2
Flash	512MB NAND
Additional Storage	4GB Micro SD card (supports up to 16GB)
RFID	
Frequency Range	920 MHz - 925 MHz
Frequency Mode	FHSS automatic frequency-hopping
Protocol	ISO 18000-6C/EPC C1Gen2
Read Range	6 m (passive tags)
Write Range	3 m (passive tags)
Power	Max. 30 dBm
OPTION	
Barcode	1D / 2D
Camera	3.2 MP
Wireless Communication	WI-FI, GPRS, 3G
AUDIO	
Output	1W
Format	MP3, WMA, WAV
Frequency Response	100 Hz - 20 KHz
OTHER	
External Power Input	9V DC
Battery	4000 mAh/7.4V DC (Lithium)
Operating Time	> 4 hours
Standby Time	> 60 hours
Dimension	210mm x 84mm x 38mm
Housing Material	ABS
Protection Class	IP64 (1.5m drop resistance)
Weight	0.74 kg
Operating Temperature	25°C - 70°C
Humidity	5% - 95% no condensation

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