

This ultra high frequency RFID reader/writer has been successfully used in applications such as logistics, anti-counterfeiting, warehouse management, vehicle inspection and fixed asset management.

This advanced handheld RFID mobile terminal has full tag data read/write capabilities and is compliant with ISO18000-6C/EPC Class 1 Gen 2 protocols. It features 3.5 inch high definition touch screen, large memory capacity and operates under Windows CE 6.0 operating system. This ultra high frequency RFID reader/writer has been successfully used in applications such as logistics, anti-counterfeiting, warehouse management, vehicle inspection and fixed asset management. It utilizes USB 2.0, RS232 and RJ45 interfaces for data transfer. Used with a circularly polarized 4dBi antenna, it provides a long read range of up to 7 meters. In addition, it is rated to IP65 protection level and performs well even in demanding environments.



Key Features

- ✓ Long read range
- ✓ Compliant with ISO18000-6C/EPC C1 Gen 2 protocols
- ✓ Utilizes USB 2.0, RS232, RJ45 interfaces for data transfer
- ✓ Windows CE 6.0 operating system
- ✓ Performs well even in demanding environments
- ✓ Ergonomic design, easy to carry

Applications

- ✓ Logistics
- ✓ Fixed Asset Management
- ✓ Anti-counterfeiting
- ✓ Vehicle Inspection
- ✓ Warehouse Management

Technical Specifications

System	
OS	Windows CE 6.0
CPU	ARM11 processor, frequency: 800 MHz
Memory Capacity	128MB DDR SDRAM, 256MB ROM
Extended Memory	2G SD card
LCD Screen	
Screen Size	3.5 inch
Display	Translucent TFT LCD (visible under the sun)
Indicator	RGB LED lights
Loudspeaker	Built-in controllable volume
Keyboard	
Standard	0 to 9, a to z, A to Z, F1 to F4, ENTER, DELETE, SHIFT, CTRL, Tab, Space, Four arrow keys, Two side keys, RESET, ON/OFF
Symbolic Keys	*, #, ., @, /
Keys	33 keys (Includes the handle buttons)
UHF RFID (Standard)	
Protocol of Space Interface	ISO18000-6C/EPC Class 1 Gen 2
Operating Frequency	US: 902 to 928 MHz (FCC part 15) EU: 865 to 868 MHz (ETSI EN 302 208)

	China: 920 to 925 MHz Japan: 952 to 954 MHz
Antenna	Circularly polarized 4dBi antenna
Read Range	0 to 7 m
HF RFID (Optional)	
Protocol of Space Interface	ISO14443/ISO15693
Operating Frequency	13.56 MHz
Read Range	0 to 10 cm
1D/2D Barcode (Optional)	
Read Mode	Laser Scanning
Read Depth	45 mm to 450 mm
Read Code	2D barcode: PDF417, QR Code, Data Matrix, Aztec, Maxiccde, LPCode, Chinese-Sensible Code 1Dbarcode:Code128.EAN-13,EAN-8,Code39,UPC-A,UPC-E,Codaba,China post 25,interleaved 2 of 5,ISBN/ISSN.Code93
Pixels	3.2 million, with auto AFI function
Scope	3 m to 5 m
GPS (Optional)	
Cold-Start Time	Less than 60 s
Accuracy of Positioning	Less than 10 m
WiFi (Optional)	
Protocol	IEEE 802.11 b/g
Communication Distance	100 m(Indoor);300 m(Outdoor)
Rx Sensitivity	-75 dBm
RF Power	Less than 100 mW
Bluetooth (Optional)	
Protocol	Version 2.0

GPRS/GSM/CDMA Communications (Optional)

GSM Bands	850/900/1800/1900 MHz
Interfaces	
External Port	USB 2.0, RS232, RJ45 (Adapter Connection)
Expanded Slot	One SD/MMC slot, one SIM slot, one PSAM slot
Battery	
Capacity	7.4 V 3500 mAh Li-Polymer Battery
Working Environment	
Operating Temperature	-20 °C to +60 °C
Storage Temperature	-40 °C to +85 °C
Relative Humidity	5% to 95% RH (Non-condensing)
Level of Protection	IP65
Drop Test	1.5 m (4.9 inch)
Physical Parameters	
Size	200 * 84 * 40 mm
Length of Handle	110 mm
Weight	850 g (Handle included)
Accessories	
Cable	USB cable, AC Power Adapter
Desktop Charger	It is able to charger the handset and battery at the same time.



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