

RFID UHF Android Long Range Handheld Reader

IDTS – UHA2000



Features:

- Impinj R2000 chip, read range up to 15 meters.
- Android 4.0/5.1 OS, Samsung quad-core CPU, 2-battery design
- Over-molding design, qwerty keyboard, light weight
- IP65 rugged, 1.3m free drop tested, applying to kinds of severe environment

Specification:

System		
Operation System:	Android 5.1	Android 4.0
Language:	Multi-language supportable	Multi-language supportable
CPU:	MTK MT6580 Quad Core	Samsung Exynos4412 Quad Core
Frequency:	1.3GHz	1.40GHz
Memory Capacity:	LPDDR3:2GB; iNand FLASH:16GB	1GB LPDDR2/8GB iNand FLASH
Extended Memory:	Max 32G Micro SD card supportable	
UHF RFID		
Protocol:	ISO/IEC18000-6C/6B, EPC Global C1Gen2	
	EU:865-868MHz (ETSI EN 302208)	
Frequency:	USA:902 MHz-928MHz (FCC part 15)	
	CHN:920-925MHz(CMII)	
Antenna:	Circular polarization 4dBi	
Transmitting Power	0-30dBm	
Reading Distance:	0-8m	
Barcode		
Identify mode	Laser Scan for 1D; CMOS for 2D	
Identify depth field for 2D	45mm-450mm	
1D type	Code128.EAN-13, EAN-8,Code39,UPC-A,UPC-E,Codaba,China post 25,interteaved 2 of 5, ISBN/ISSN.Code93,etc	
2D type	PDF417,QR Code(Model 1/2) ; DataMatrix(ECC200.ECC000, 050 ; 080.100.140), QR code, Aztec, Maxiccode, Chinese sensible code, etc	
Other function		
GPS precision:	Within 10 meters	
WiFi:	IEEE 802.11b/g/n	

Bluetooth:	Bluetooth V 4.0
3G Bands:	850/900/1800/1900/2100 MHz
Camera Pixel:	8.0M Pixels auto-focused
Extend port:	1×SD/MMC card slot,1×SIM card slot,1×PSAM card slot

Battery Parameter

Capacity:	Changeable 1X 3.7V 4000mAh li-polymer battery Installed 1X3.7V 3300mAh li-polymer battery
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Screen & Keyboard

LCD Screen:	4" 480*800 HD LCD, 16-bit true color LED
Loudspeaker:	Built-in (Volume adjustable)
Keyboard:	Qwerty keyboard

Cradle(optional)

Function:	Charging, data transfer
Interfaces:	RS232/UART, USB, Battery slot (RJ45 customized), expandable interface
Power supply:	DC 5V

Physical

Working Temperature:	-20°C ~ +55°C
Storage Temperature:	-30°C ~ +70°C
Atmospheric Pressure:	86kPa ~ 108kPa
Relative Humidity:	5%-95% RH (no condensing)
Protection Grade:	IP65
Drop Test:	1.2 meter free fall onto concrete
Size:	Full set: 225mm*130mm*163mm Main body: 190mm*84mm*42mm
Weight:	<700g

Parts

Cable:	USB cable, DC 5V power supply, Cradle
Power Supply:	5V/3A adapter

Drawing

