SCANTECH ID

MT-6320 HC

Introduction

The MT-6320 HC is a new mobile computer which can communicate with other devices based on wireless communication. MT-6320 HC provides user friendly operation interface, support functions such as 1D/2D barcode scanning, RFID tag reading, photographing, voice communication, Wi-Fi and Bluetooth and is widely used in various fields, such as mobile nurse workstation, clinical transfusion management, doctor ward visit management, surgical instrument management, drug distribution management and hospital asset management to help hospitals quickly realize information.
Especially the shell made of antibacterial materials supports the application in the medical industry.

MT-6320 HC

Features

- Supporting Wi-Fi, BT, GSM, GPRS, EDGE, 3G and other wireless communication modes
- Supporting 1D/2D barcode scanning or image scanning
- Equipped with a 13.56 MHz HF RFID read/write module for RFID tag reading
- Equipped with an IR communication module for data collection
- Equipped with a built-in autofocus 3 Mega pixel camera for photography

Specifications

System Configuration	
CPU	600 MHz high-performance ARM processor
Operating System	Microsoft Windows Mobile 6.5
Memory	512 MB ROM+256 MB RAM
Expansion Slot	Mini SD card, up to 32 GB (PSAM card optional)
Display	3,5-inch HVGA (320x480) high brightness TFT LCD, LED backlight
Display Material	Toughened glass
Touch Panel	Resistive touch panel
Camera	3 Mega pixel, autofocus lens, LED flash
Exit Window	Corning® Gorilla® glass
Keypad	31-key durable industrial keypad with interior transmission light
Battery	3.7 V 4000 mAH rechargeable lithium polymer battery (6000 mAH battery optional)
Battery Life	12 hours (under normal operating conditions)
Audio	Built-in microphone
Notification	Vibrator alerts/LED/Audio notification
Vibration Motor	Built-in programmable vibration motor
Operating Environment	
Development Tools	Visual Studio 2005/2008, with Software Development Kit (SDK)
Programming Language	C++, C#, .NET
Operating Temp.	-10°C to 50°C
Storage Temp.	-20°C to 60°C
Relative Humidity	0 to 95% (non-condensing)
Drop Specification	1.5-meter drops to concrete ground
Tumble Specification	500 0.5-m tumbles (1000 hits)
Sealing	IP65
Electrostatic Discharge	Conforms to ± 15 kV air discharge, ± 8 kV direct discharge
Structural Parameters	
Dimensions (LxWxD)	152 mm x 68 mm x 24 mm
Weight	255 g (standard battery included)
Accessories	
Standard	Battery, power adapter, USB cable/ Charging cable, hand strap
Optional	1-slot charging & communication stand, 4-slot battery charger

Communication Transmission	
Wireless Voice Communication	GSM 900/1800 MHz; CDMA 800 MHz
Wireless WAN	GPRS/EDGE/EVDO (3G)
Wireless LAN	Wi-Fi 802.11b/g
GPS (Optional)	SiRF Star III (with A-GPS) or SiRF Star IV GPS navigation chip available, differential GPS optional
Bluetooth	Bluetooth 2.0+EDR
Input/Output Ports	
USB Port	1 (Micro USB port)
Charger Port	1 (DC port)
RS232 Port	1
1D Laser Scanner	
Optical Resolution	≥ 4 mil
Scan Depth of Field	3.81 cm - 60.98 cm
Scan Angle	47°± 3° (Standard)
Scan Speed	102 ± 12 scans/sec. (Bidirectional)
1D Linear Imager	
Reading Mode	CCD
Reading Accuracy	≥ 4 mil
Decoding Speed	300 times/sec. (Max.)
2D Area Imager	
Optical Resolution	≥ 3 mil
Scan Angle	Omnidirectional
Scan Speed	300 scans/sec.
Infrared Communication Module	
Built-in Infrared Communication Module	Structure with two emitting tubes, meter reading distance of up to 5 meters, fully supporting DL/T645 protocol and communication protocols of worldwide mainstream meter manufacturers
Interface	Initial rate: 1200 bps, supported rates: 1200, 2400, 4800, and 9600 bps
RFID	
Frequency	13.56 MHz
Reading Distance	Within 50 mm
Protocol	ISO14443A/14443B/15693

CE, FCC and RoHs compliant CE

Due to Scantech ID's continuing product improvement programs, specifications and features are subject to change without notice.

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