Technical Specification

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(Optional)	5 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 (full-load)
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
Management Tools	iData Service
Operating Temp.	-10℃ to 50℃
Storage Temp.	-20℃ to 60℃
Relative Humidity	0 to 95% (non-condensing)
Drop Specification	1.5-meter drops to concrete ground (10 drops each side)
Tumble Specification	500 0.5-m tumbles (1000 hits)
Sealing	IP65
Electrostatic Discharge	Conforms to ±15kV air discharge, ±8kV direct discharge
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
Bluetooth	Bluetooth 2.0+EDR
GPS (Optional)	A-GPS and SiRF Star III/IV GPS navigation chip available, differential GPS optional

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
Structural Parameters	
Dimensions(LxWxD)	152 mm x 68 mm x 24 mm
Weight	255 g (standard battery included)

Standard accessories

Battery | Power adapter | USB cable/ Charging cable | Hand strap

Optional accessories

1-slot charging & comm. stand | 4-slot battery charger

CODESOFT

MC - 5390

The New Mobile Computer

CODESOFT

The MC-5390 provides user friendly operation interface, supports functions such as 1D/2D barcode scanning, RFID tag reading, infrared communication modules, GPS, photographing, voice communication, Wi-Fi, and Bluetooth, and is widely used in various fields, such as retail, manufacturing, fast moving consumer goods, clothing, logistics, warehousing, governments and public utilities.

Featuring high performance and high reliability, the MC-5390 can help enterprises boost productivity and gain a higher return on investment.

CODESOFT

High Performance
High Reliability

Applicable industries

Retail | Consumer goods | Clothing | Logistics | Governments | Public utilities

reddot Design directed by
a reddot design award winner

Main Functions

- Supporting Wi-Fi, Bluetooth, 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
- Supporting close-range data transmission via Bluetooth 2.0
- Equipped with a built-in autofocus 5 Mega pixel camera for photographing and video recording

GSM GPRS EDGE 3G Bluetooth Windows Mobile

Five strengths

Rugged and reliable mobile computer

Meeting IP65 sealing standard for superior dustproof and waterproof performance

Meeting the 1.5-meter drop specification and the 0.5-meter tumble specification (500 tumbles)

Shell molded at one step using PC engineering plastics of General Electric Company

Keys designed with the IMD film printing technology for scratch-resistance and a longer service life

1

Large screen display

Equipped with a 3.5-inch HVGA (320 x 480 pixels) resistive touch screen display, which features high brightness TFT LCD and LED backlight, to provide better and smoother user experience

2

Powerful data collection

Equipped with advanced scanning engines to read not only 1D/2D barcodes normally printed on traditional media, stained, or covered with plastic film but also barcodes displayed on mobile phones and computer screens

Exit window made of Corning® Gorilla® glass for a better scratch-resistance, a higher light transmittance, and more quick and accurate scanning

Equipped with built-in RFID read/write modules to quickly and accurately read RFID tags in batches

3

Multiple wireless communication modes

Supporting multiple wireless communication modes such as GSM, GPRS, EDGE and 3G in a wide area network (WAN)

Supporting Wi-Fi transmission in a local area network (LAN)

Supporting Bluetooth 2.0 close-range data transmission

Supporting A-GPS, SiRF Star III/IV GPS navigation chip, and differencial GPS to provide more accurate positioning

4

Large-capacity battery

A standard capacity lithium-polymer battery (3.7 V, 4000 mAh) supports MC-5390 working continuously for 12 hours at full load.

A high capacity (6000 mAH) battery supports the MC-5390 working continuously for 18 hours at full load.

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