Technical Specification

System Configuration	
CPU	533 MHz high-performance ARM processor
Operating System	Microsoft® Windows Mobile 6.5
Memory	256 MB ROM+128 MB RAM
Expansion Slot	Mini SD card, up to 32 GB
Display	3.5-inch HVGA (320x480), high brightness TFT LCD, LED backlight
Display Material	Toughened glass
Touch Panel	Resistive touch panel
Camera (Optional)	3.2 Mega or 5 Mega pixel, autofocus lens, LED flash
Exit Window	Corning® Gorilla® glass
Keypad	30-key durable industrial keypad with interior transmission light
Battery	3.7 V 3700 mAH rechargeable lithium polymer battery
Battery Life	12 hours (full-load)
Audio	Built-in microphone/Mini USB earphone port
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	IP64
Electrostatic Discharge	Conforms to ±15kV air discharge, ±8kV direct discharge
Communication Transmission	
Wireless Voice Communication	GSM 900/1800MHz; 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 GPS navigation chip available

Input/Output Ports	
USB Port	1 (Mini USB port)
Charger Port	1 (Shared Mini USB port)
RS232 Port	1 (Shared Mini USB port)
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	⩾3mil
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)	155 mm x 70 mm x 26 mm
Weight	265 g (standard battery included)

Standard accessories

1-slot charging stand | Battery | USB cable/ Charging cable | Hand strap | Stylus

Optional accessories

Power adapter | 4-slot battery charger

CODESOFT

MC - 5380
The New Mobile Computer

CODESOFT

The **MC-5380** is designed to connect your mobile workforce to the enterprise for real-time access to business information and data exchange.

The **MC-5380** 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, fast moving consumer goods, clothing, logistics, warehousing, governments and public utilities.

Featuring high performance and high reliability, the **MC-5380** can help enterprises boost productivity and gain a higher return on investment.

CODESOFT

High Performance
High Reliability

Applicable industries

Retail · Consumer goods · Clothing · Logistics · Warehousing · Governments · Public utilities

Main Functions

MC-5380 mobile computers

- 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

RFid · Wi Fi · IrReady · GSM · GPRS · EDGE · 3G · Bluetooth · Windows Mobile

Five strengths

Rugged and reliable mobile computer

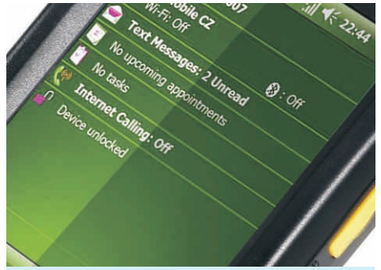
Meeting IP64 sealing standard for superior dustproof and waterproof performance

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 GPS navigation chip to provide more accurate positioning

4

Large-capacity battery

A standard capacity lithium-polymer battery (3.7 V, 4000 mAh) supports the **MC-5380** working continuously for 12 hours at full load.

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