

Technical Specifications

● 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°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 (10 drops each side)
Tumble Specification	500 0.5-m tumbles (1000 hits)
Sealing	IP64
Electrostatic Discharge	Conforms to ± 15 kV air discharge, ± 8 kV direct discharge

● Structural Parameters

Dimensions (LxWxD)	155 mm x 70 mm x 26 mm
Weight	265 g (standard battery included)

● 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 GPS navigation chip available
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- **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	≥ 3 mil
Scan Angle	Omnidirectional
Scan Speed	300 scans/sec.

- **RFID**

Frequency	13.56 MHz
Reading Distance	Within 50 mm
Protocol	ISO14443A/14443B/15693

- **Accessories**

Standard	1-slot charging stand, battery, USB cable/Charging cable, hand strap
Optional	Power adapter, 4-slot battery charger, stylus