

Specification

Physical Characteristics

Dimensions	154mm x 77mm x 31mm/ 6.06 x 3.03 x 1.22in
Weight	345g/ 1217oz
Display	3.5" QVGA (240*320), 6.5M colors
Touch Panel	Rugged resistive touch panel
Power	Main battery: Li-ion, 3200mAh
	Pistol battery: Li-ion, 5200mAh (Optional)
Expansion Slot	1 MicroSD (TF) slot
Interfaces	MicroUSB (OTG)
Audio	0.5W speaker
Keypad	Numeric / Qwerty

Performance

CPU	Cortex-A8 800MHz
RAM+ROM	256MB+4GB
Expansion	Supports up to 32GB Micro SD card

Developing Environment

Operating System	Windows Embedded CE 6.0
SDK	Software Development Kit
Language	C++, C#, VB.NET
Tool	Visual Studio 2005/2008

User Environment

Operating Temp.	-4°F to 122°F / -20°C to 50°C
Storage Temp.	-40°F to 158°F / -40°C to 70°C
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1.5m drops to concrete across the operating temperature range
Tumble Specification	1000 x 0.5m/1.64ft falls at room temperature
Sealing	F M j j l F A ? m] X e b h ` m j] [b _ [X n b i h m

Communication

WLAN	IEEE80211 a/b/g/n
Bluetooth	Bluetooth 2.0+EDR

Fingerprint (Optional)

Functions	Fingerprint enrollment, match, storage etc.
Sensor	TCS1 / TCS2SS (Capacitive)
Image Size (pixel)	TCS1: 256x360; TCS2SS: 208x288
Sensing Area (mm)	TCS1: 12.8x18; TCS2SS: 10x14.4
Resolution (dpi)	508
Standard	TCS1: FIPS, FBI; TCS2SS: ISO

Barcode Scanning (Optional)

1D Linear Scanner	
1D Laser / CCD	Honeywell N4313/ Zebra SE965
Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.

2D Imager Scanner	
2D CMOS Laser Scanner	Zebra SE4500
Symbologies	PDF417, MicroPDF417, Composite, RSS, TC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

RFID (Optional)

LF	
Frequency	125kHz, 134kHz (F/B / HDX)
Protocol	ISO11784/5, ISO18000-2
Chips	R/O ID card, eg EM4100/4200 TK4100
	R/W ID card, eg EM4305/HIAG S
	Animal tags Others for customization
Range	3-8cm

LF (with external antenna)	
Frequency	134kHz (FDX-B+HDX)
Protocol	ISO11784/5
Chips	Animal tags
	Others for customization
Range	3-12cm, external antenna
	3-20cm, with a 75cm extension antenna

HF	
Frequency	13.56MHz
Protocol	ISO14443A/B, ISO15693
Chips	M1 card (S50/S70), M0 (Ultralight), J š @] m „] @ @ @ › @ ? M R = [X \
	? M R > [X \
	ICODE II, T12048, LRI64K
	Others for customization
Range	3-8cm

Other Modules (Optional)

Camera	5MP Autofocus
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Accessories (See details in Accessory Guide)



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