

C3000

MOBILE HANDHELD COMPUTER



C3000 is a Windows-CE based rugged mobile computer, featuring a powerful 800MHz processor and best in class battery performance. It can be integrated with a variety of data capture functions including LF/HF/UHF RFID reading, high-performance 1D/2D and sensitive fingerprint scanning, GPS, Camera. This compact device is IP65 rated, the contained dust and water proof structure ensures its high ruggedness and durability. With its highly customizable ability, enterprises can deploy this single device in many areas, including retail, warehouse management, logistics, asset tracking, fleet management, animal management.



Powerful Application Performance

The C3000 is based on WindowsCE 6.0 system, features the fast and powerful Cortex-A8 800MHz processor, together with 256MB of RAM, 4GB build-in flash storage, plus a SD card slot that can add up to 32GB of memory.



Extensive Data Capture Options

The C3000 can be integrated with best-in-class Zebra 1D/2D scanning engine, LF/HF/UHF RFID reading module, sensitive fingerprint snap-on and GPS. It allows to choose data collection options per industry needs.



Rugged and Compact

The C3000 is highly rugged, compact and durable. With IP65 water and dust proof capability, workers can drop this device and concrete use it in dusty area even get it wet, and still expect reliable operations.



Fast Wireless Connectivity

Whether indoors or outdoors, the C3000 provides fast and stable network connectivity with a variety of wireless connection options including WCDMA, WiFi, Bluetooth and GPRS.



Powerful Battery

With the 3200mAh main battery and the optional 5200mAh pistol battery, you can be confident that your device can always deliver results when you need it to.



Highly Customizable

From a single function device to a fully featured enterprise mobile computer, this device delivers the best possible flexibility and diversity to satisfy a whole variety of application needs



Accessories



AC Adapter



Snap On



USB Cable



Cradle (Optional)



Pistol (Optional)



Fingerprint Snap-on (Optional)



Carrying case (Optional)

Physical Characteristics

Dimensions	154mm x 77mm x 31mm
Weight	345g
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 PSAM 1 SIM/PSAM 1 MicroSD(TF) slot
Interfaces	USB Micro-B (OTG)
Audio	0.5W speaker, build-in microphone
Keypad	Numeric / Qwerty

Performance

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

Developing Enviroment

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

User Enviroment

Operating Temp.	-10°C to 50°C
Storage Temp.	-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 falls at room temperature
Sealing	IP65

Communication (Optional)

WLAN	IEEE802.11 b/g IEEE802.11 a/b/g/n
WWAN	GPRS Quad Band (850/900/1800/1900MHz) WCDMA (850/1900/2100MHz) CDMA 2000 EVDO:800MHz
Bluetooth	Bluetooth 2.0+EDR
GPS	uBLOX NEO-6M (Low Power Consumption)

Biometric (Optional)

Functions	Enrollment, compare, deletion etc.
Sensor	TCS2SS
Sensor Type	Capacitive Sensor
Resolution	508DPI
Memory	1,000 PCS fingerprints

Barcode Scanning (Optional)

1D Linear Scanner	
1D Laser / CCD	Symbol 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	Symbol SE4500
Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-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 with Internal Antenna	
Frequency	125kHz, 134kHz (FDX-B / HDX)
Protocol	ISO11784/5, ISO18000-2
Chips	R/O ID card, eg EM4100/4200 TK4100 R/W ID card, eg EM4305/HITAG S Animal tags
Range	3-8cm
LF with External Antenna	
Frequency	134kHz (FDX-B+HDX)
Protocol	ISO11784/5
Chips	Animal tags
Range	3-12cm 3-20cm with a 75cm Extension Antenna
HF	
Frequency	13.56MHz
Protocol	ISO14443A/B, ISO15693
Chips	M1 card (S50/S70), M0 (Ultralight) M3 (Desfire D40/D41/D81), CPU_A card, CPU_B card ICODE II, TI2048, LRI64K
Range	3-8cm

Other Modules (Optional)

Camera	5MP autofocus camera with flash
PSAM	ISO7816 Protocol, 2 PSAM slot

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C3000 V1.0EN