

# CE8640B

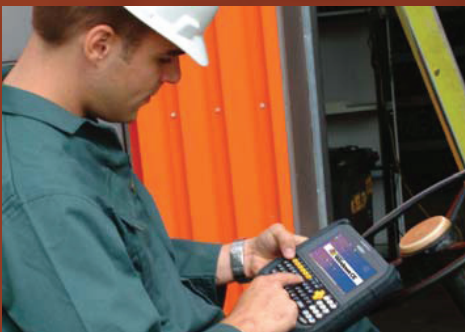


A range of optional accessories are offered with the CE8640B (sealed RJ45, DB9 (RS232) and USB host connectors, integrated 1D and 2D barcode reader (CMOS imager), 1D laser barcode scanner, and desktop and vehicle cradles), consequently allowing the unit to be customized and built to all industry requirements.

Integrated into the CE8640B are a PC Card and SDIO slot allowing for added memory or optional peripheral devices.

Staying productive in the field is made easy with a 2400 mAH Lithion-Ion battery (fast swappable) which provides 2 to 4 working days under typical environments.

The CE8640B provides ultimate ruggedness in all environments, being rated IP67 (sealed against immersion) and meeting MIL-STD-810F standards for humidity, rain, immersion, and free fall drops.



Extend the reach of your handheld from the field by choosing the Wireless Edition (Bluetooth, 802.11b/g).

Featured with the Xscale (Bulverde) processor (520 MHz), the CE8640B provides increased speed to enhance field performance and effectiveness. Fitted with Windows CE 5.0 Operating System, the CE8640B will allow you to utilize essential applications.

Memory storage for your data is assured with the CE8640B – 256 MB Storage Flash and 128 MB SRAM, with optional additional storage via the PC Card and SDIO slot.

With a 1/2 VGA color LCD (STN transfective) touch screen display, users can view applications in various lighting environments whether indoors or outdoors.

The CE8640B offers a highly rugged 64-key keypad (QWERTY or AZERTY) that allows for easy data-entry even when used with gloves.

# CE8640B



## Base Unit

### Processor

- XScale (Bulverde) – PXA270, 520 MHz

### Operating System

- Windows CE 5.0

### Memory

- 256MB Storage Flash for WIN CE and file system (approximately 192 MB available to user)
- 128 MB SRAM (approximately 64 MB used for OS)
- Optional: Additional storage via PCMCIA/CF Flash cards and USB connected memory devices and SD Memory Flash Cards

## Display

1/2 VGA (6.5") STN transfective color LCD with backlighting

Indoor/Outdoor color display

Automatic contrast temperature compensation

Scratch and shock resistant touch screen can be used with a stylus or finger

Available with the ULTIVUE display for enhanced performance in sunlight



## Connectivity

Ethernet 10BaseT

Wireless Edition adds Bluetooth Class 2 and 802.11 b/g

## Graphics / Sound

Integrated and environmentally sealed speaker

Recording and playback fully supported by Windows CE operating system

Optional: Integrated and environmentally sealed microphone and headset connector

## User Interface

Touch Screen

Keyboard

- Highly resistant 64-key keypad (QWERTY or AZERTY) CE desktop
- Dedicated function keys
- Large independent numeric keypad and function keys
- Keyboard backlight
- Ergonomic key grouping to speed up data entry
- Tactile and programmable audible feedback
- Software controllable trigger on underside of case molding

## Ports

PC Card Type II (CF Card via adaptor)

1 Secure Digital (SD or SDIO) slot

Serial RS232 and USB client via cradle

or Serial RS232 and Ethernet via cradle

Ethernet 10BaseT, 10Mbps

Expansion Bay

- Additional space for integration of custom electronics for specific applications
- Multi-function connector, serial, USB I/O, etc.
- Serial port RS232 on LEMO Type Connector

## Environment

### Temperature:

- Operating: -4°F to +122°F (-20°C to +50°C)\*
  - Storage: -22°F to +140°F (-30°C to +60°C) with battery
  - Storage: -22°F to +158°F (-30°C to +70°C) without battery
- \* Display refresh cycle may decrease

### Free Fall Drop Resistance:

- Meets and exceeds: IEC 68-2-32 method 1 (1-meter drop onto concrete)
- Meets and exceeds: MIL-STD-810F method 516.5 procedure IV

### Immersion, Rain and Humidity:

- MIL-STD-810F method 512.4 procedure I
- IP67 (1 meter immersion)
- MIL-STD-810F method 506.4 procedure I (wind blown rain)
- Humidity: 95% non-condensing

### Electrostatic Discharge

- Meets: EN 61000-4-2

## Power Supply

Rechargeable 2400 mAh Lithium-Ion battery (fast swappable)

Integrated charge status and low-battery indicator

Intelligent fast charge

Power gauge to monitor the main battery

Rechargeable backup battery

ON/OFF switch, manual and automatic shutoff

12V DC Power jack on casing for power input and battery charging in addition to cradle recharge

5 Volt power for external devices

## Dimensions

9.05" (230 mm) x 7.28" (185 mm) x 1.97" (50 mm)

2.43 lbs (1100 g) with battery pack

## Options and Accessories

Sealed RJ45 connector on case molding for 10BaseT Ethernet

Sealed DB9 (RS232) and USB host connectors

Integrated 1D and 2D barcode reader (CMOS imager)

Integrated 1D laser barcode scanner

Various desktop and vehicle communications and charging cradles

## Bundled / Available Software

Microsoft ActiveSync

FTP client/server

CE Internet Explorer and Viewers for Word®

Excel®, PowerPoint® and PDF files

Microsoft® Outlook® • Microsoft® Windows Media® Player

Terminal Services Client

Image and video viewer

Voice Recorder

## Approvals

FCC class B

CE Certification

RoHS compliant

Class B 21 CFR Chapter I, Subpart J, Part 1040.10 (Laser Barcode Scanner)

IEC 60825-1: 1993+A + A1: 1997 + A2

## Warranty

Manufacturer's warranty: 1 year parts and labor

Optional DapCare warranty extension available

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