



- FAST SWAPPABLE BATTERIES
- SUNLIGHT VIEWABLE TOUCHSCREEN
- SHOCK AND VIBRATION TESTED
- ENVIRONMENTALLY SEALED
- 802.11 AND BLUETOOTH 2.0



Outstanding Reliability and Durability in the Toughest Environments

The CE8800B Series features the 520 MHz Xscale (Bulverde) processor which provides increased speed to enhance field performance and effectiveness. With the Windows® CE 5.0 operating system, the 8800B Series enables users to utilize essential applications including Media Player, Handwriting Recognition, Voice Recorder Program, and many more.

The CE8800B Series provides ample storage and memory – 128 MB Storage Flash and 128 MB SRAM, with optional additional storage via the PC Card and SDIO slot.

The CE8800B Series offers two display variations to accommodate your field application needs: a 7.2" VGA STN transfective color LCD with backlighting or a 7" WVGA TFT transmissive color LCD. Both provide a resistive touch panel with built-in function keys.

Staying productive in the field is made easy with a 2400 mAh Lithion-Ion battery (fast swappable) which provides full shift operation under demanding work conditions.

The CE8800B Series is IP67 rated (sealed against immersion) to provide ultimate ruggedness in all environments and meets MIL-STD-810F standards for humidity, rain, immersion, and free fall drops.

The CE8800B Series will not let you down: it is designed to work in extreme conditions, and is heat, cold, wet, shock and dust resistant. Your in-field workers will remain productive – and your costs under control – when you rely on this tough and reliable tablet.

Featuring a large full-color display with superb contrast and brightness, on-screen images remain clear both indoors or out. Data entry through an on-screen keyboard plus remote data transfer capability means workers have real-time access to critical information – anytime, anywhere.

A range of optional peripherals and accessories are available with the CE8800B Series, including sealed RJ45, Ethernet, DB9 (RS-232) and USB host connectors, an integrated 1D and 2D barcode reader (CMOS imager), a 1D laser barcode scanner, and desktop and vehicle cradles. The options allow the system to be customized to meet a wide range of industry requirements. The CE8800B also includes integrated PC Card and SDIO slots which allow for added memory or optional peripheral devices.



DAP Technologies and RMT have joined, becoming the leading provider of rugged, highly customizable computer solutions for challenging environments

CE8800B/BWE



Base System

Processor

- XScale (Bulverde) – PXA270, 520 MHz

Operating System

- Windows® CE 5.0

Memory

- 128 MB Storage Flash for Windows® CE and file system (approximately 64 MB available to user)
- 128 MB SRAM (approximately 64 MB used for OS)
- Optional: Additional storage via PC Card, CF card, USB connected memory devices and SD Memory Flash Cards

Display

CE8810B

- 7.2" VGA (640 x 480 pixels) STN transfective color LCD with backlighting
- Resistive touch panel with built-in function keys

CE8820B

- 7" WVGA (800 x 480 pixels) TFT transmissive color LCD with 270 nit backlighting
- Resistive touch panel with built-in function keys

Connectivity

Ethernet 10BASE-T

Wireless Edition adds Bluetooth Class 2 and 802.11b/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

- On-screen alphanumeric keyboard can be called by application software or from Windows® CE desktop
- Programmable audible feedback
- 6 user determined function keys on touch panel plus 1 system key
- 3 hard keys on case (function, cursor control, accept/enter)
- Software controllable trigger on underside of case

Ports

PC Card Type II (CF Card via adaptor)

1 Secure Digital (SD or SDIO) slot

RS-232 and Ethernet via cradle or USB host and Ethernet via cradle

Ethernet 10BASE-T (10Mbps)

Expansion Bay

Additional space for integration of custom electronics for specific applications

- Multi-function connector, serial, USB I/O, etc.

Environment

Temperature:

- Operating: -4°F to +122°F (-20°C to +50°C)*
- Storage: -40°F to +140°F (-40°C to +60°C) with battery
- Storage: -40°F to +158°F (-40°C to +70°C) without battery

*Display refresh rate may decrease at extreme low temperatures

Free-Fall Drop Resistance:

- Meets and exceeds: IEC 68-2-32 method 1 (1.2-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 2.12" (50 mm) (for the CE8810B) and 2.36" (60mm) for the CE8820B

2.76 lbs (1250 g) with battery pack

Options and Accessories

Sealed RJ45 connector on case molding for 10BASE-T Ethernet

Sealed DB9 (RS-232) 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® Active Sync

FTP client/server

CE Internet Explorer and viewers for Word, Excel, Powerpoint and PDF

Microsoft® Outlook

Microsoft® Windows Media Player

Terminal Services Client

Voice Recorder, CE Pad (Notepad)

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+A1: 1997 + A2: 2001 (Class 2 Laser Product)

Warranty

Manufacturer's warranty: 1 year parts and labor

Optional DAPCare warranty extension available

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