CE8800B

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TECHNOLOGIES

The 8800B 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 and anywhere.

A range of optional peripherals and accessories are available with the 8800B Series, including 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. 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.

Outstanding reliability and durability in the toughest environments

The 8800B Series features the Xscale (Bulverde) processor 520 (MHz) 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 Image and Video Viewer, Handwriting Recognition, Playback/Recording Program, and many more. The 8800B 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 8800B Series offers two display variations to accommodate your field application needs: a 7.2" VGA STN transflective color LCD display with backlighting or a 7" WVGA TFT color display with transmissive 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 8800B Series is rated IP67 (sealed against immersion) to provide ultimate ruggedness in all environments and meeting MIL-STD-810F standards for humidity, rain, immersion, and free fall drops.

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Base System

Processor
• XScale (Bulverde) – PXA270, 520 MHz

Operating System
• Windows CE 5.0

Memory
• 256 MB 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

8810B
• 7.2" VGA (640 x 480 pixels) STN transflective color LCD with backlighting
• Resistive touch panel with built-in function keys

8820B
• 270 nit, 7" WVGA (800 x 480 pixels) color TFT, transmissive LCD

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
• On-screen alpha keyboard can be called by application software or from WIN CE desktop
• Programmable audible feedback
• 6 user determined function keys on touch panel plus 1 system key
• 3 keys on case molding (function, cursor control, accept/ enter)
• 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, ect.
• Serial port RS232 on LEMO Type Connector

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 cycle may decrease
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
9.05" (230 mm) x 7.28" (185 mm) x 2.36"(60 mm) for the CE8820B
2.76 lbs (11250 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+A1: 1997 + A2: 2001 (Class 2 Laser Product)

Warranty

Manufacturer's warranty: 1 year parts and labor
Optional DapCare warranty extension available

1979 · 2009
30 ANS YEARS

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RoHS✓   IEC

ISO 9001:2000 CGSB/ONGC 95786   Windows CE