CE5000B

dAP TECHNOLOGIES

Reliable Data in the Field

1D/ 2D SCANNER/ BARCODE READER

- READ A MULTITUDE OF LABELS, FROM 1D AND 2D BARCODES TO OCR FONTS
- MINIMIZE COSTS THROUGH PROCESS IMPROVEMENT

- CMOS Image Sensor Technology
- Reading distance: 2.0 inches, up to 13 inches (depends on the symbology)
- Maximum barcode density: 8 mil (0.20 cm)
- Light Source: Visible Red LED
- Symbologies (short list): 2 Dimensional: PDF417, MicroPDF417, MaxiCode, Data Matrix, QR Code, Aztec, Aztec Mesas, Code 49, EAN_UCC
- Composite Linear: Code 39, Code 128, Codabar, UPC, EAN, Interleaved 2 of 5, Code 93 Postal: Postnet, British Post, Canadian Post, Japanese Post, KIX (Netherlands) Post, OCR Fonts: OCR-A and OCR-B
- SDK and demo source code

GPS

- EFFECTIVELY MAP AND MAINTAIN BUSINESS ASSETS IN THE FIELD
- REDUCE COSTS BY TRACKING ROUTING INFORMATION
- SAVE ON-ROAD TIME BY DISPATCHING REAL-TIME DIRECTIONS
- RECORD EXACT LOCATIONS OF SITES THAT LACK PHYSICAL ADDRESSES

- 12 channel parallel tracking, WAAS/EGNOS enabled
- Based on STA1029-C chip-set
- Built-in patch antenna
- Receiver: L1 C/A Code (1575.42 MHz)
- Position Accuracy: 3m CEP, SA off
- Obscuration Recovery: 1 sec
- Warm Start <32 secs.
- Cold Start <60 secs.
- Ultra low power consumption (<190 mW)
- NMEA message: GGA, GSA, GSV, VTG, RMC
- Baud rate: 4,800 to 38,400

INTEGRATED RFID

- IMPROVE LABOR EFFICIENCY
- TRACK GOODS WHERE BARCODES CAN'T BE USED
- GAIN BETTER INVENTORY VISIBILITY
- REDUCE DUPLICATION AND HANDLING OF GOODS

- Frequency: 125 KHz (LF), Manchester RF/32 and RF/64
- Read Range: approximately 2 inches (5cm), varies depending on tag antenna size
- Supported transponders: Atmel/Temic and EM Microelectronics EM4100/02
- Supports Byte Tracking
- Low Power Consumption
- Keyboard Wedge driver, demo source code

CAMERA

- CAPTURE COLOR DIGITAL IMAGES AND DATA IN ANY REMOTE LOCATION
- SEAMLESSLY TRANSMIT INFORMATION TO CORPORATE OFFICES
- ACCURATELY VERIFY THE QUALITY OF THE EVIDENCE COLLECTED 15 fps / 30 fps

- Color 1.3M pixels
- Landscape orientation
- Image Size: SXGA: 1280 x 1024 pixels, VGA: 640 x 480 pixels QVGA:320 x 240 pixels
- Video-capture Frame Rate Preview Display: 320 x 240 pixels and 160 x 120 pixels
- Field of View: 60° Focal Length = 49 mm
- Lens treatment to cut Infrared signals
- Integrated Flash (Xenon)
- File Format: Compressed (jpeg) and BMP image
- Ergonomic position: 45° position
- Automatic color adjustment
- SDK and demo source code

ADAPTABLE END-CAPS

3 configurations available (optional)
Add to the functionality of the CE5000B by using one of these optional end-caps:

- USB End-Cap: headset adapter
- Camera End-Cap: 1.3 mega pixel color camera and flash with/without GPS and RFID reader (includes headset adapter)
- Auto-ID End-Cap: Integrated barcode reader- 1D/2D CMOS Imager - with/without GPS and RFID reader (includes headset adapter and USB host connector)

RMT

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

www.ropermobile.com   www.daptech.com

CE5000B/BWE

dap TECHNOLOGIES

Base Unit

Processor
• XScale (Bulverde) – PXA270, 520 MHz

Operating System
• Windows® CE 5.0

Memory
• 256 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

3.5" diagonal (89 mm) QVGA TFT active matrix transflective color LCD with LED backlighting for the best match of indoor/outdoor readability
Two display formats available: portrait (240 x 320 pixels) or landscape (320 x 240 pixels)

Connectivity

Ethernet 10BASE-T
Wireless Edition adds Bluetooth Class 2 and 802.11b/g

Graphics / Sound

Integrated and environmentally-sealed speaker

User Interface

Touch screen
Keyboard
• Highly ergonomic keyboard, 54 multi-function keys
• Alphanumeric keys with separate numeric keypad
• LED backlighting
• 12 definable "Hot" Keys
• Customized keyboard template
• Ergonomic key grouping to speed up data entry
• Tactile and programmable audible feedback

Ports

Internal, user-accessible and environmentally-sealed
3 serial ports (TTL level)
1 USB Client/Host
5-Volt Power for external devices
1 PC Card Type I & II (CF Card via adapter)
1 Secure digital (SDIO) slot

Environment

Operating
• -4°F to +122°F (-20°C to +50°C) (MIL-STD-810F method 502.4, 501.4 procedure II)

Storage
• -22°F to +140°F (-30°C to +60°C) with battery (MIL-STD-810F method 502.4, 501.4 procedure I)

Thermal Shock
• -40°C* to +60°C (-40°F to +140°F) (MIL-STD-810F, method 503.4)
  Display refresh cycle may decrease at extreme low temperatures

Free-Fall Drop Resistance (*)
* *Might differ when aDAPtable end-caps are installed*
• Meets and exceeds IEC 68-2-32 method 1 (2-meter drop on concrete)
• Meets and exceeds MIL-STD-810F method 516.5 procedure IV (26 drops, 4 feet on plywood)

Immersion, Rain and Humidity
• Meets MIL-STD-810F method 512.4 procedure I
• IP67 (Immersion 1 m) for 30 minutes
• Meets 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 2400mAh Lithium-Ion battery pack (user-accessible)
Integrated charge status and low-battery indicator
Intelligent fast charge
Power gauge to monitor 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

Dimensions

Height: 1.53 inches (39 mm) min / 2.36 inches (60 mm) max
Width: 3.53 inches (90 mm) min / 4.08 inches (104 mm) max, except CE5320B at screen section
Length: 9.74 inches (248 mm)
Weight: 1.94 lbs (880g) with battery pack

Accessories

Desktop and Vehicle Battery Chargers
Desktop and Vehicle 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
Voice Recorder

Regulatory Approvals

FCC: Class B
RoHS compliant
International Safety: CE
Class B 21 CFR Chapter I, Subpart J, Part 1040.10 (Laser Barcode Scanner)
IEC 60825-1: 1993+ A2 (Laser Barcode Scanner)

Warranty

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

End-Cap Options

USB: headset adapter and USB Host connector
AUTO-ID: Integrated Barcode reader - 1D/2D CMOS Imager - with/without GPS and RFID reader (includes headset adapter and USB Host connector)
CAMERA END-CAP: 1.3 mega pixel color camera and flash with/without GPS and RFID reader (includes headset adapter)

SP0805-A3

RMT

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

United States
Roper Mobile Technology
7450 S. Priest Dr
Tempe, AZ 85283 USA
P| 800.363.1993
salesNA@daptech.com

United Kingdom
25 Nuffield Way
Abingdon, OX14 1RL
England
P| +44 (0) 1235 462130
F| +44 (0) 1235 462131
SalesUK@daptech.com

Canada
875 Charest Boulevard West
Suite 200
Quebec City, QC G1N 2C9
P| 418.681.9394
P| 800.363.1993
F| 418.681.0799
salesNA@daptech.com

dap ISO 9001:2000 CGSB/ONGC 95786