



# Dap Microflex CE5000B

# CE5000B

Rugged PDA



## Agile performer

### Bring efficiency, speed and long battery life into the field

The **CE5000B SERIES** is built for use in all environments. It will survive being dropped, being subject to vibration, being used in below freezing conditions or desert heat, making it the ideal work tool for industry type applications within the following markets and many more:

- PARKING ENFORCEMENT
- ENERGY
- TRANSPORTATION
- LOGISTICS
- PUBLIC SAFETY

**Extend the reach of your handheld** from the field by choosing the wireless Edition (Bluetooth 802.11b/g) or Ethernet Edition (10baseT).

**Speed up data processing** with the Intel Xscale (Bulverde), PXA270, 520 MHz processor.

**Enter large amounts of data** via an ergonomic 54-key alphanumeric keyboard

**Ensure field technician productivity** throughout an entire shift with extensive battery life (2 to 4 working days)



Rain  
IP67  
MIL-STD-810F



Dust  
IP67  
MIL-STD-810F



Heat  
+122°F / +50°C



Cold  
-4°F / -20°C



Shock  
2-meter drop  
onto concrete



Wireless



Battery life  
Typically  
2-4 working days

## Technical Specification

The Microflex CE5000X and B Series are keypad-equipped, ultra-rugged handheld that are available with displays either in portrait or landscape orientation. Based on the Windows CE 5.0 Operating System, the CE5000B uses a 520MHz PXA270 processor. RAM and flash are 128/128MB, respectively, and the display is a bright, transfective 3.5-inch TFT. The series features DAP-typical excellent build quality and impressive environmental specifications (6.5 foot drop to concrete, IP 67 rating, etc.)



## Adaptable Solutions

Despite its ruggedness, the ergonomically designed 5000 Series is relatively small and weighs under two pounds. The 54-key keypad is programmable and there is a sealed PC Card compartment for various expansion options. The 5000B comes in an Ethernet and a Wireless edition with Bluetooth and 802.11b/g. DAP also offers integrated laser, RFID, and antenna options. The 5000B model can accommodate adaptable End-Caps. There is a USB End-Cap (head-set adapter and USB-Host connector); an Auto-ID End-Cap (integrated Barcode Reader - 1D/2D CMOS Imager - with/without GPS and RFID Reader); or a Camera End-Cap (1.3 mega pixel color camera and flash with/without GPS and RFID Reader).

The unmatched reliability of the CE5000 Family provides you with true data safety in any work environment. The interoperability of DAP Technologies' Windows CE powered Dap Units ensures data transmission to whatever type of enterprise system you use, thereby eliminating manual data entry.

## Benefits

- Best-in-class data security
- Lightweight and ergonomic
- Reduced downtime and support issues





**Speaker** - Integrated and environmentally sealed speaker. Get feedback from your application or listen to pre-recorded voice messages.

**Touch screen** - QVGA TFT active matrix transfective colour LCD display with LED backlight; readable indoors and outdoors. Two display formats are available: Portrait (240 x 320 pixels) or Landscape (320 x 240 pixels)

**Function Keys** - Surf different screens of the application quickly. Launch preconfigured applications.

**Keyboard** - Highly ergonomic keyboard, 54-multifunction keys.

**Battery Status Indicator** - Shows how much power remains in the battery. Indicator turns red when in charge mode and green when fully charged. In the field, the indicator starts to flash when battery power is running low.

**Power Jack** - A second connector for the power cable.

**Operating System, Processor and Memory** - Windows CE .Net 5.0, Intel Xscale (Bulverde) PXA270 @ 520 MHz, 128MB storage flash and 128MB SRAM.

**Casing & Bumpers** - Made of high-grade polycarbonate plastic. Specially-calibrated polyurethane material for the bumpers. Withstands multiple 2m (6ft) drops onto concrete.



**Adaptable End-Cap** – Add functionality to your application by choosing one of the following end-caps:

**USB End-Cap** - Headset adapter and USB host connector

**Auto-ID End-Cap** - Integrated bar code 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 colour camera and flash with/without GPS and RFID reader (includes headset adapter)

**Battery compartment** – Rechargeable 2400mAh Li-Ion battery pack (user accessible) ensures a working capacity.

**Stylus Compartment** – Compact storage of the stylus.

**Hand Strap** – Durable, extensible, and adjustable in length this strap can be installed on the right or left side of the unit.



## Specifications CE5000B

### Operating System:

Windows CE 5.0

### Processor:

Intel XScale (Bulverde) - PXA270, 520 MHz

### Memory:

- 128 MB Storage Flash
- 128 MB SRAM

### Display:

- 3,5" diagonal QVGA TFT active matrix transfective color LCD with LED backlighting
- Two display formats available: Portrait (240 x 320 pixels) or landscape (320 x 240 pixels)

### Keyboard

- Highly ergonomic keyboard, 54 multi-funtion keys
- Alphanumeric keys with seperate numeric keypad
  - 12 definable "Hot" keys

### Connectivity - CE5000B WIRELESS EDITION

- Internal Bluetooth Class 2
  - Internal 802.11 b/g

### Connectivity - CE5000B ETHERNET EDITION

- Ethernet 10BaseT, 10Mbps through cradle

### Power:

- Rechargeable 2400 mAh Lithium-Ion Battery Pack
  - Battery Life: 2 to 4 working days

### Adaptable End-Caps:

- USB End-Cap: head-set adapter and USB-Host connector
- Auto-ID End-Cap: Integrated Barcode Reader - 1D/2D CMOS Imager - with/without GPS and RFID Reader (includes head-set adapter and USB-Host connector)
- Camera End-Cap: 1,3 mega pixel color camera and flash with/without GPS and RFID Reader (includes head-set adapter)

### PC Card and SDIO:

- 1 PC Card Type I & II (CF Card via adapter)
  - 1 Secure Digital (SD or SDIO) slot

### Expansion I/O:

- 3 serial ports (TTL level)
  - 1 USB Client
  - 1 USB Host

### Environmental Resistance:

- Operating: -4°F to +122°F
  - MIL-STD-810F
  - IP67

## Specifications CE5000X

### Operating System:

Windows CE .NET 4.2

### Processor :

Intel XScale - PXA255, 400 MHz

### Memory:

- 128 MB Storage Flash
- 64 MB RAM

### Display:

- 3,5" diagonal QVGA TFT transfective color LCD with LED backlighting
- Two display formats available: Portrait (240 x 320 pixels) or landscape (320 x 240 pixels)

### Keyboard

- Highly ergonomic keyboard, 54 multi-funtion keys
- Alphanumeric keys with seperate numeric keypad

### Power:

- Rechargeable 2400 mAh Lithium-Ion Battery Pack
- Battery Life: 2 to 4 working days

### PCMCIA (Card slots) :

- 2 Type II PCMCIA cards or 1 type III card
- ATA Flash Card, Modem, WLAN et WiFi
- WWAN Compatibilty

### Communications I/O:

- Ethernet 10BaseT, 10Mbps
- IrDA
- RS232 on LEMO connector

### Accessories (optional):

- RFID Reader
- 12 channel WAAS/EGNOS enabled GPS
- Integrated image scanner for 1D Laser Barcode Reader

### Environmental Resistance:

- Operating: -4°F to +122°F
- MIL-STD-810F
- IP67