



# Dap Microflex M2240X

- Fully Rugged PDA -

# M2240X

Rugged PDA



Rain/Immersion  
IP67  
MIL-STD-810F



Dust  
IP67  
MIL-STD-810F



Heat  
+140°F / +60°C



Cold  
-22°F / -30°C



Shock  
MIL-STD-810F  
1-meter drop  
onto plywood  
over concrete



Wireless



Battery life  
15 hours operation  
under typical conditions

The Dap Microflex M2240X is a fully rugged PDA solution ideal for use when portability, data security and maximum operating time are crucial. Extra lightweight but with exceptional environment resistance, the 2240X is waterproof and dustproof to IP67 standards.

Pushing greater quantities of data to field operatives, reducing or eliminating paper forms and improving data security are all methods used to increase productivity and reduce costs. By streamlining your procedures, reducing management time and improving data reliability, the M2240X will enhance your performance in the field.

The M2240X PDA runs Windows Mobile 5.0 and includes two user-accessible CompactFlash slots for expansion. The 2240X supports technologies including GPS, Wireless Local Area Network (WLAN), Wireless Wide Area Network (WWAN) and Bluetooth. Optional modules add even more versatility: the Extended End Cap provides room for large CompactFlash cards and a Bar-Code scanner is also available.

The M2240X is water, dust, heat, cold and shock resistant. It will keep producing, regardless of environmental conditions.

**Operating system:** Windows Mobile 5.0

**Processor:** Intel XScale – PXA255, 200 or 400 Mhz

**Memory:** 64 MB high-speed SDRAM, 64 MB or 128 MB non-volatile Flash

**Display:** Daylight readable 240 x 320 (1/4 VGA) TFT with touchscreen



## Key Benefits of the MICROFLEX 2240X PDA

- Reliable
- Lightweight
- Extremely rugged
- Waterproof and drop resistant to IP67 and MIL-STD-810F ratings
- Remarkable expansion capabilities
- Long battery life (16 hours)

## Rugged Solution

The 2240X 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:

- FIELD SERVICE,
- UTILITIES,
- TRANSPORTATION
- LOGISTICS,
- MILITARY.

## Technical Features

Now featured with Windows Mobile 5.0 Operating System, the 2240X will allow you to utilize essential applications including Word, Excel, Calendar, Media Player, and many more. Memory storage for your data is assured with the 2240X – 64 MB SDRAM and 128 MB non-volatile NAND flash (256 MB optional). 1/4 VGA colour (TFT) touch screen display with LED front light makes the 2240X easy to read in all types of lighting and environments. A range of optional accessories are offered with the 2240X (AA Power Boot Module, Extended and Optical End-cap, Compact Flash Cards [GPS, GPRS, Barcode Scanner, 802.11 or Bluetooth], Serial Interface Cable), therefore allowing the 2240X to be customized and built to all industry requirements.



Integrated into the 2240X are two Compact Flash Slots (1 x Type I and 1 x Type II) allowing for added memory or optional peripheral devices. Staying productive in the field is made easy with a 3800 mAh NiMH rechargeable battery pack that provides 15 hours of continuous operation use under typical environments.

The 2240X provides ultimate ruggedness in all environments being rated IP67 (sealed against immersion) and meeting MIL-STD-810F standards for humidity, immersion, sand and dust, vibration, drops and altitude. Exceptionally lightweight, the 2240X weighs only 17 ounces (490g) and is small enough to be held in one hand while entering data with the other.



## Specification

Specifications 2240X
<p><b>Operating System:</b> Windows Mobile 5.0 (Premium Edition)</p>
<p><b>Processor:</b> Intel XScale - PXA255, 200 MHz or 400 MHz</p>
<p><b>Memory:</b></p> <ul style="list-style-type: none"> <li>■ 64 MB high-speed SDRAM, 22 MB reserved</li> <li>■ NAND Flash: 128 MB (200 MHz) or 256 MB (400 MHz) and 31 Mo reserved</li> </ul>
<p><b>Display:</b></p> <ul style="list-style-type: none"> <li>■ 240 x 320 pixels (1/4 VGA) sunlight readable TFT</li> </ul>
<p><b>Power:</b></p> <ul style="list-style-type: none"> <li>■ 3800 mAh NiMH rechargeable pack</li> <li>■ 15 hours of continuous room-temperature operation</li> </ul>
<p><b>Communications I/O:</b></p> <ul style="list-style-type: none"> <li>■ Standard 9-pin (male) D-Shell RS232 serial and USB ports</li> </ul>
<p><b>Expansion Bay:</b></p> <ul style="list-style-type: none"> <li>■ 1x Type I and 1x Type II CompactFlash slots</li> </ul>
<p><b>Accessories (optional):</b></p> <ul style="list-style-type: none"> <li>■ Midsize / Optical / Extended End-Cap</li> <li>■ CompactFlash Cards - GPS, GPRS, Barcode Scanners, Camera, 802.11 or Bluetooth</li> </ul>
<p><b>Environmental Resistance:</b></p> <ul style="list-style-type: none"> <li>■ Operating: -22°F to +140°F <ul style="list-style-type: none"> <li>■ MIL-STD-810F</li> <li>■ IP67</li> </ul> </li> </ul>

- **Reliable**
- **Lightweight**
- **Extremely rugged**
- **Waterproof and drop resistant**
- **IP67 rating**
- **MIL-STD-810F rating**
- **Remarkable expansion capabilities**
- **Long battery life**

## Front View



**Touch Screen** – Sunlight-readable colour TFT screen (240 x 320 pixels) with LED front light. Covered by a highly-rugged touch membrane for direct entry on screen menus using a passive stylus or finger.

**Direct Access Keys** – Quick start keys allow common Microsoft applications to open at the touch of a button.

**Speaker** – Integrated speaker and microphone that is front-mounted for clarity and volume allowing the user to receive audible feedback from their applications.

**Navigation Keys** – An alternative to the touch screen, the navigation keys allow the user to navigate through different applications with ease.



## Rear View



**Compact Flash Slots** – Supports one type I and one type II compact flash slots in a user accessible and environmentally-sealed bay. Integrate 802.11, Bluetooth or GPS / GPRS cards.

**Handstrap** – Durable, extensible, and adjustable in length the handstrap can be fitted for optimum comfort when using the M2240X.

**Power Boot Module** – Rechargeable 300 mAh NiMH battery ensures 15 hours of continuous operation.

## Top View



**Power Plug** – DC input to charge to power boot module.

**9 Pin RS232 serial / USB Ports** – I/O communication connectors accept standard computer cables and are all fully sealed and protected against accidental exposure to the elements.