

# MilDef DB7



## PC performance in the palm of your hand

With the MilDef DB7, you have all the performance of a full-size computer in a device the size of a PDA. It's also exceptionally flexible with a nearly endless amount of customization options. These options include RS232, USB, LAN, and GPS, among many more.

### Smart and tough

The DB7 was made for heavy use on the frontlines. This is apparent both in its responsive performance and fully rugged casing that can withstand the harshest environments. Whatever your mobile computing needs call for, the MilDef DB7 delivers.

### Guaranteed performance

Our products always come with lifetime support to ensure your equipment maintains peak performance for many missions to come.

## MilDef DB7 is built for such military applications as

- Field Operations in harsh environments
- ManMachine interface
- FAC
- Vehicle
- Naval

## Technical Specification

<b>CPU</b>	1.33 GHz Intel Atom Dual Core E3825 CPU, 1 MB L2 cache
<b>RAM</b>	4 - 8 GB DDR3L
<b>Graphics</b>	Intel HD Graphics
<b>Storage</b>	mSATA SSD up to 256 GB
<b>Display</b>	5" (800 x 480) sunlight-readable TFT LCD LED B/L touch screen, Anti-glare screen treatments, Optical bonding
<b>Sound</b>	HD audio codec and amplifier Mono speaker 0.5W Embedded Digital MIC
<b>Buttons (front)</b>	Keypad: 1st layer: Text input, AP settings, Power, Volume Up/Down, Left/Right button of mouse, Invisible Mode On/Off, Screen Rotation, Login (WIN Security), Fn, 2nd layer: Brightness Up/Down, Key Pad B/L On/Off, Input Lock, B/L
<b>Interfaces (right)</b>	1 x SD card slot 1 x SIM card slot 1 x USB 2.0
<b>Interface (left)</b>	Cradle POGO Connector
<b>Interfaces (top)</b>	1 x Sealed Audio (optional) 1 x Sealed USB (optional) 1 x Sealed GB LAN (optional) 1 x Sealed RS232 (optional) 1 x SMA ANT for WWAN, WiFi, BT, GPS (optional)
<b>Interfaces (bottom)</b>	1 x DC-in 1 x Expansions POGO Connector (optional)
<b>Interfaces (internal)</b>	1 x mSATA SSD 2 x internal mini PCIe full-size 1 x internal mini PCIe half-size 1 x Express Card
<b>Primary Battery</b>	7.4 V / 3900 mA H Lithium-Ion battery.
<b>Power Input</b>	DC 12V-32V
<b>Case</b>	Magnesium alloy
<b>Dimensions</b>	200 x 94 x 36 mm (W x D x H)
<b>Weight</b>	697 g
<b>Certifications</b>	CE, FCC, WEEE, REACH, RoHS2.0, IP65, MIL-STD-810G* and MIL-STD-461F*, Explosive Atmosphere/Solar Radiation Test
<b>Operating System</b>	Windows 7

## MIL-STD-810G

	Operating	Storage
<b>Altitude</b> Method 500.5, (procedure I, II)	4572 m (15000 ft)	12192 m (40000 ft)
<b>Temperature</b> Method 501.5 & 502.5, (procedure I, II)	-20°C to 55°C (-4°F to 140°F)	-40°C to 70°C (-40°F to 158 F)
<b>Temp Shock</b> Method 503.5 (procedure I-C)	-	-40°C to 80°C (-40°F to 176°F)
<b>Shock</b> Method 516.5 (procedure IV) Method 516.6 (procedure I)	40 G, 11 ms Terminal-peak sawtooth shock pulse	152cm (26 drops)
<b>Vibration</b> Method 514.6 (procedure I: category 14 & 20)	OH58A/C Helicopter and Composit wheeled vehicle vibration	-
<b>Rain</b> Method 506.4, (procedure I)	276 kPa, 5 Surfaces, 40 min/Surface	-
<b>Humidity</b> Method 507.5, (procedure I)	-	Ten 24 h test cycles
<b>Salt Fog</b> Method 509.5, (procedure I)	-	Salt 5 ± 1 %, 24 h wet + 24 h dry/cycle. Total 2 cycles / 96 h

## Standard Options

<b>Communications</b>	GPS ublox M8N WLAN (a/b/g/n) / Bluetooth 4.0
<b>Additional Connectivity</b>	1 x Sealed Audio 1 x Sealed USB 1 x Sealed GB LAN 1 x Sealed RS232 1 x SMA ANT for WiFi, BT, GPS 1 x Expansions POGO connector (1 x RS232, 1 x USB 2.0, 1 x DC In, 1 x RGB, 1 x GB LAN)
<b>Security</b>	TPM1.2

\*Contact MilDef for full specifications of MIL-STD-810G and MIL-STD-461F



ISO 9001: Certificate No. FM68727  
ISO 14001: Certificate No. EMS554313



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