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

MilDef DB7

Technical Specification

CPU	1.33 GHz Intel Atom Dual Core E3825 CPU, 1 MB L2 cache
RAM	4 - 8 GB DDR3L
Graphics	Intel HD Graphics
Storage	mSATA SSD up to 256 GB
Display	5″ (800 x 480) sunlight-readable TFT LCD LED B/L touch screen, Anti-glare screen treatments, Optical bonding
Sound	HD audio codec and amplifier Mono speaker 0.5W Embedded Digital MIC
Buttons (front)	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
Interfaces (right)	1 x SD card slot 1 x SIM card slot 1 x USB 2.0
Interface (left)	Cradle POGO Connector
Interfaces (top)	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)
Interfaces (bottom)	1 x DC in 1 x Expansions POGO Connector (optional)
Interfaces (internal)	1 x mSATA SSD 2 x internal mini PCIe full-size 1 x internal mini PCIe half-size 1 x Express Card
Primary Battery	7.4 V / 3900 mAH Lithium-Ion battery.
Power Input	DC 12V-32V
Case	Magnesium alloy
Dimensions	200 x 94 x 36 mm (W x D x H)
Weight	697 g
Certifications	CE, FCC, WEEE, REACH, RoHS2.0, IP65,MIL-STD-810G* and MIL-STD-461F*, Explosive Atmosphere/Solar Radiation Test
Operating System	Windows 7

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

MIL-STD-810G	Operating	Storage
Altitude Method 500.5, *(procedure I, II)*	4572 m (15000 ft)	12192 m (40000 ft)
Temperature Method 501.5 & 502.5, *(procedure I, II)*	-20 °C to 55 °C (-4 °F to 131 °F)	-40 °C to 70 °C (-40 °F to 158 °F)
Temp Shock Method 505.4 *(procedure I)*	-20 °C to 60 °C (-4 °F to 140 °F)	-
Shock Method 516.6, *(procedure I)*	40 G, 11 ms Terminal-peak sawtooth shock pulse	122 cm (26 drops)
Vibration Method 514.6 *(category 14 & 20)*	OH58A/C Helicopter and Composit wheeled vehicle vibration	-
Rain Method 506.4, *(procedure I)*	276 kPa, 5 Surfaces, 40 min/Surface	-
Humidity Method 507.5, *(procedure I)*	Ten 24 h test cycles	Ten 24 h test cycles
Salt Fog Method 509.5, *(procedure I)*	-	Salt 5 ± 1 %, 24 h wet + 24 h dry/cycle. Total 2 cycles / 96 h

Standard Options

Communications	GPS ublox M8N WWAN HSPA 3G WLAN (a/b/g/n) / Bluetooth 4.0
Additional Connectivity	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) 1 x Expansions POGO connector (1 x RS232. 1 x USB 2.0, 1 x DC In, 1 x RGB, 1 x GB LAN)
Security	TPM1.2

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