

Panther

full rugged

DB7-M

5" UMPC



The Ultra Mobile PC Panther DB7 with innovative technology facilitates the daily work, without sacrificing the proven insensitivity to environmental influences and mobility. It offers the full functionality of a normal PC and a wide variety of interfaces in the smallest space.

Technical specification

Display	5" WVGA (800 x 480) TFT LCD <ul style="list-style-type: none">• brightness (min-typ.) 280-336 nits• optical bonding• sunlight readable• anti-glare-display• LED backlight• resistive touch screen (rugged), operated with a finger or stylus pen	Interfaces	USB 2.0, SD Card Slot (SDHC), SIM card slot, Cradle-connector
CPU	Intel® Atom™ Dual Core (E3825) 1.33 GHz, 1MB L2 cache	Wireless Connections	Intel® Centrino® Advanced-N 6235 WiFi 802.11 a/b/g/n, Bluetooth 4.0
Chipset	Intel® Bay Trail-I	Security	>> optional TPM1.2
Graphics	Intel® HD graphics	OS	Windows 7 / 10
Memory	4/8 GB DDR3L RAM	Certification	IP65, CE/FCC, WEEE, REACH, RoHS2.0, MIL-STD 810G, MIL-STD 461F
Storage	mSATA SSD 64 - 256 GB	Housing	rugged magnesium alloy housing
Keypad	Trackpoint mouse + 12 keys for: text input, application menu, power, volume up/down, left/right mouse button, invisible mode, camera, rotate screen, login, function key (FN)	Colour	military green (NATO olive / RAL 6031 HR), black, other colours on request
Power Supply	<ul style="list-style-type: none">• 7,4 V, 3900 mAh Li-ion battery• integrated vehicle adapter 12 - 32 V• AC-adapter 36 W	Dimensions	200 x 94 x 36 mm 202.2 x 97.9 x 40 mm (with bumper)
		Weight	690 g with all internal extensions & battery (battery 185 g)

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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	-40°C to +70°C
Temperature shock Method 503.5, (Procedure I)	-20°C to +60°C	-20°C to +60°C
Solar radiation Method 505.5, (Procedure I)	N/A	Diurnal Cycle A1, worldwide deployment
Rain Method 506.5, (Procedure I)	276 kPa, 0.5 - 4.5 mm diameter	276 kPa, 0.5 - 4.5 mm diameter
Humidity Method 507.5, (Procedure I)	N/A	Five 24h test cycles 95 %
Salt fog Method 509.5, (Procedure I)	N/A	5+ -1% 24 h wet + 24 h dry/ cycle Total of 2 cycles/ 96 hours
Vibration Method 514.6, Category 14 (Procedure I) Method 514.6, Category 20 (Procedure I) Method 514.6, Category 24 (Procedure IV)	Rotary wing aircraft-Helicopter Ground Vehicles-ground mobile	Rotary wing aircraft-Helicopter Ground Vehicles-ground mobile All material-minimum integrity test
Shock / drop Method 516.6, (Procedure I)	40 G, 11ms	122 cm (26 drops)

MIL-STD 461F		
CE101	30 Hz ~ 10 KHz	CE101-4 Curve #1
CE102	10 KHz ~ 10 MHz	115 V, Basic Curve +6db
CS101	30 Hz ~ 150 KHz	CS101-1 Curve #1
CS114	10 KHz ~ 200 KHz	Curve #5-5-5
CS116	10 KHz to 100 KHz	Imax = 10 A
RE101	30 Hz ~ 100 KHz	RE101-2, Navy
RE102	2 MHz ~ 18 GHz	RE102-4, Navy Fixed & Air Force
RS101	30 Hz ~ 100 KHz	RS101-1, Navy



Panther DB7 with biometric module



Panther DB7 keypad



Panther DB7 with Cradle and mini keyboard

Options

- fingerprint reader
- 5 MPixel camera with Auto Focus
- HSDPA WWAN, supported HSDPA/3G
- GPS uBlox Neo-7 with internal antenna (supported GPS and Galileo systems)
- Bluetooth v4.0
compatible with BT 2.1 / 2.1+EDR / 3.0 / 3.0+HS / 4.0 (BLE)
- expansion connector (standard):
 - USB, DC-In, RS232 (trade-off with L1/2 RS232), GigaBit LAN, VGA (trade-off with Cradle VGA)
- Connector options on the topside: (2 of 7 options can be integrated per unit)
 - USB connector (sealed)
 - GigaBit LAN connector (sealed) (trade-off with WLAN)
 - Audio connector (sealed)
 - WiFi SMA for ext. antenna (for WLAN Intel® Centrino® Advanced-N 6235)
 - HSDPA / UMTS SMA antenna (for WWAN module)
 - GPS SMA for ext. antenna (for GPS Modul uBlox Neo-7)
 - Bluetooth SMA for ext. antenna (for Bluetooth 4.0)

Accessories

- belt pouch with battery bag
- double capacity battery, 7.4 V 7800 mAh, size: 113x70x23 mm
- battery charger
- rugged USB mini keyboard
- rugged USB mini keyboard with card reader
- Cradle
 - charging function for DB7
 - interfaces: 1x RS232, 1x RJ45, 3x USB (host), 1x VGA, 1x DC-In

