



PANTHER DB7

FULL-RUGGED 5" WINDOWS HANDHELD

Small and sophisticated, but a truly rugged mobile PC. Their innovative technology makes the roda handheld devices ideal for mobile use by offering proven resistance to environmental influences within a great formfactor. The Panther handhelds with their aluminum housing allow improved certification according to MIL-STD-461, IP65 and Tempest.

The Panthers are also exceptionally flexible with a an almost endless amount of customization options. These options include two possible SMA antennas for GPS, WIFI+BT, two of the five interfaces (USB 3.0, COM, GLAN, audio, headset) which can be implemented as military Fischer or ODU connectors on the bottom.

+ 2. GENERATION FORM-FIT-FUNCTION

- + Intel® Core™ i7-7Y75 processor
- + 16 GB LPDDR3 RAM
- + WVGA LCD (800 x 480 pixel)
- + Windows 10 support
- + IP65
- + MIL-STD-810G
- + MIL-STD-461G Ground Navy



DB7

+ DISPLAY

LCD 5" WVGA (800 x 480)
LED backlight
Sunlight readable

+ TOUCH

Resistive touch screen

+ CPU

Intel® Atom™ E3825 dual core processor,
1 MB cache, up to 1.33 GHz

+ CHIPSET

Intel® Bay Trail-I

+ GRAPHICS

Intel® HD Graphics

+ MEMORY

DDR3L 1066 MHz
up to 8 GB (1x SO-DIMM slot)

+ STORAGE

mSATA SSD

+ CAMERA

+ **OPTIONAL:** Webcam 5MP (rear side)

+ INTERFACES

1x USB2.0
1x SD card slot
1x SIM card slot
1x Cradle connector (POGO-pin)

+ **OPTIONAL:**

1x Cradle docking station
1x Expansion connector (bottom side)
up to 2x MIL Hirose connector (top side)

+ CONNECTIVITY [WLAN / BT / GPS]

+ **OPTIONAL:**

Intel® Centrino® Advanced-N 6235
• WLAN 802.11 a/b/g/n
• Bluetooth 4.0
Ublox Neo-M8N GPS/GLONASS

+ POWER SUPPLY

Li-Ion battery, 7.4 V, 3900 mAh
AC-adaptor 36 W, 100-240 V, 50-60 Hz
Integrated vehicle adaptor 12-32 V with
surge protection

+ SECURITY

TPM 2.0, fingerprint scanner

+ OPERATING SYSTEM

Windows 10 Pro

+ DIMENSIONS [W×H×D]

202.2 x 97.9 x 40 mm

+ WEIGHT

690 g

+ PROTECTION CLASS

IP65

+ ACCESSORIES

- belt pouch with battery bag
- double capacity battery,
7.4 V 7800 mAh (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

MIL-STD-810G	OPERATING	STORAGE
TEMPERATURE	-20 °C to +55 °C	-40 °C to +70 °C
TEMPERATURE SHOCK	N/A	-20 °C to +60 °C
HUMIDITY	N/A	95 %

EMI	STANDARD
MIL-STD-461G	Ground Navy



CUSTOMIZATION:

Need anything not included in the data sheet? roda products are designed to enable customization to your specific program requirements. Please contact your roda sales team member to find the best solution for your requirements.

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roda
RUGGED IT & ELECTRONICS

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