

# Panther DR10-M15

full rugged

15.1" tablet



rodas Panel PCs are based on sophisticated standard IT (COTS) products. roda combines the Panther DR10 with its COTS displays in different sizes, thereby reducing delivery and development times as well as spare parts storage.

## Technical Specification

<b>Display</b>	15" XGA (1024x768) <ul style="list-style-type: none"><li>• sunlight readable LCD</li><li>• LED backlight</li><li>• resistive touch screen</li></ul>	<b>Interfaces</b>	2x USB2.0 (1x fast charge), 1x Gigabit LAN (RJ45), 1x serial (DB9), 1x DC-In (MIL), 1x docking connector
<b>Chipset</b>	Intel® Huron River Plattform Intel® Cougar Point QM67	<b>Power supply</b>	Multibay: 1x ExpressCard/54, 1x SIM-card slot, 1x SD-card slot <ul style="list-style-type: none"><li>• Li-Ion battery, 10.8 V, 5800 mAh</li><li>• AC-adapter 100-240 V, 50/60 Hz, 90 W</li><li>• internal vehicle adapter 12-32 V<sub>DC</sub> with surge protection</li></ul>
<b>CPU</b>	Intel® Core™i7-2610UE™, Sandy Bridge, 1.5 GHz (2.4 GHz max. Turbo Frequency)	<b>OS</b>	Windows 7 / 8.1 / 10
<b>Graphics (GPU)</b>	Intel® HD Graphics 3000	<b>Certification</b>	IP65 <b>Designed to meet:</b> MIL-STD 810G, MIL-STD 461F
<b>Memory</b>	up to 8 GB DDR3 1333 MHz SO-DIMM (1x slot)	<b>Housing</b>	rugged magnesium housing
<b>Storage</b>	exchangeable 2.5" SATA HDD (500 GB Std.) >> optional with SATA SSD (MLC or SLC)	<b>Colour</b>	military green (NATO olive / RAL 6031 HR), silver/black, other colours on request
<b>Audio</b>	HD audio, stereo speaker	<b>Dimensions</b>	351 mm x 300 mm x 72.2 mm
<b>Keypad</b>	ON/OFF, LCD brightness, standby, 6 free programmable funktion keys	<b>Weight</b>	5.3 kg
<b>Security</b>	>> optional TPM1.2 module		

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 -30°C with heater	-40°C to +70°C
<b>Temperature Shock</b> Method 503.5, (Procedure I)	-20°C to +60°C	-20°C to +60°C
<b>Rain</b> Method 506.5, (Procedure I)	276 kPa, 0.5 - 4.5 mm diameter	276 kPa, 0.5 - 4.5 mm diameter
<b>Humidity</b> Method 507.5, (Procedure I)	N/A	ten 24 h test cycles, 95 %
<b>Salt fog</b> Methode 509.5	N/A	5 %, 35° C
<b>Vibration</b> Method 514.6, Category 20 (Procedure I)	Comp. Wheeled Vehicle Vibration	Comp. Wheeled Vehicle Vibration
<b>Schock / Stoß</b> Methode 516.6, (Prozedur I)	40 g, 11 ms	40 g, 11 ms

 **WATER JET**  
RESISTANT

 **SHOCK**  
RESISTANT

 **DROP**  
RESISTANT

 **FROST**  
RESISTANT

 **HEAT**  
RESISTANT



Panther DR10-M15  
optional DC/DC converter



Panther DR10 interfaces

## Options

- exchangeable SATA SSD (industry class)
- exchangeable SATA HDD upgrade with up to 1 TB capacity
- fiberoptic LAN 100/1000 MBit
- WLAN/bluetooth combo card:
  - WLAN (Intel® Centrino Advanced-N 6235 802.11a/g/n)
  - dual mode bluetooth module  
2.1, 2.1+EDR, 3.0, 3.0+HS, 4.0 (BLE)
- WWAN module (AirPrime MC8305)
- GPS module (Ublox LEA-6H)
- joystick module
- camera module
- display filter for night vision equipment
- heater for -30°C operating
- 1-2x additional external COM-ports (DB9 interfaces)
- internal CAN BUS interface
- military round connectors for nearly all interfaces

## Accessories

- second Li-Ion battery 11.1 V, 7200 mAh
- sunshade (glare/sight & display protector)
- charging station for main and second battery
- ROD01.2 DC/DC converter
- transportation bag
- StandUnit stand fixation
- vehicle fixation / RAM Mount
- DockLite DL10 (port replicator) for docking connector as standard or MIL version
  - 250 x 37 x 61 mm
  - ca. 0.45 kg
  - interfaces:  
2x serial DB9, 4x USB2.0 (2x standard, 2x sealed),  
1x VGA (DB15), 1x audio out, 1x audio in, 1x DC-In,  
1x Gigabit LAN

