

Panther DR10-M12

full rugged 12.1" 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

Display	12.1" XGA (1024x768) • glass touch screen with pen
Chipset	Intel® Huron River Plattform Intel® Cougar Point QM67
CPU	Intel® Core™i7-2610UE™, Sandy Bridge, 1.5 GHz (2.4 GHz max. Turbo Frequency)
Graphics (GPU)	Intel® HD Graphics 3000
Memory	up to 8 GB DDR3 1333 MHz SO-DIMM (1x slot)
Storage	exchangeable 2.5" SATA HDD (500 GB Std.) >> optional with SATA SSD (MLC or SLC)
Audio	HD audio, stereo speaker
Keypad	6 programmable funktion keys ON/OFF, LCD brightness, keyboard/ brightness, PiP ON/OFF
Power supply	• Li-Ion battery, 10.8 V, 5800 mAh • AC-adapter 100-240 V, 50/60 Hz, 90 W • optional vehicle adapter 12 V _{DC} ±0,5 V _{DC}
Security	>> optional TPM1.2 module

Interfaces	MIL connectors: tdb X1: DC-In X2: LAN 100 MBit X3: USB2.0 for keyboard X4: BNC for optional PiP X5: DC-In Standard connectors: 2x USB2.0 (1x fast charge), 1x Gigabit LAN (RJ45), 1x serial (DB9), 1x docking connector Multibay: 1x ExpressCard/54, 1x SIM- card slot, 1x SD-card slot
Certification	IP65 Designed to meet: MIL-STD 810G, MIL-STD 461F
Housing	rugged aluminum/magnesium housing
Colour	front side: black RAL 9005 rear side: Nato-oliv RAL 6031 HR other colours on request
Dimensions	334 mm x 260 mm x 82 mm
Weight	ca. 4 kg

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)	-30°C to +50°C	-40°C to +70°C
Temperature Shock Method 503.5, (Procedure I)	-20°C to +60°C	-20°C to +60°C
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	ten 24 h test cycles, 95 %
Salt fog Methode 509.5	N/A	5 %, 35° C
Vibration Method 514.6, Category 20 (Procedure I)	Comp. Wheeled Vehicle Vibration	Comp. Wheeled Vehicle Vibration
Schock / Stoß Methode 516.6, (Prozedur I)	40 g, 11 ms	40 g, 11 ms

 **WATER JET**
RESISTANT

 **SHOCK**
RESISTANT

 **DROP**
RESISTANT

 **FROST**
RESISTANT

 **HEAT**
RESISTANT

Optional PiP picture in picture function

- 2 signal sources can be processed simultaneously
- 5 levels adjustable (from no display to full screen)
- Display ratio 4:3
- PiP screen can be shifted pixel by pixel



Panther DR10-M12 rear side



Panther DR10-M12 vehicle installation

Optional DC converter for vehicle installation

- DC/DC converter (cable length ca. 50 cm)
18-32 V_{DC}, nominal 24 V_{DC}
Power consumption max. 65 W

X1: DC-IN SJT00RT-08-98PN (014) Amphenol
 with pin contacts
X2: DC-OUT cable with SJTG06RT-14-5SN (014) Amphenol
 with socket contacts L= ca. 370 mm

Housing : protection IP 65
 paint: bronze green RAL 6031-HR
 screen printing: lemon yellow RAL 1012

Weight: ca. 0.7 kg

Transient protection according to VG 96916 T5 without intermittent



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DC/DC converter