

Panther DR10-M

full rugged 8.4" tablet



The Panther Tablet PC's are characterized by the extraordinary possibility of customization and an enormous robustness. The variety of modules and possible interfaces available with industrial or military connectors is huge. In addition, the Panther tablets offer the same IP65 protection concept as the Rocky® laptops. Even uncovered interfaces and at removed drives, there is no risk from water or dust. Exclusively components with extended temperature range are used for the Panther tablets, the interfaces are decoupled from the mainboard. This enables the devices to be used reliably at extreme ambient temperatures and vibrations.

Technical Specification

Display	8.4" XGA (1024x768) <ul style="list-style-type: none"> • sunlight readable LCD • LED backlight • resistive touch screen • optical bonding 	Interfaces	2x USB2.0 (1x fast charge), 1x Gigabit LAN (RJ45), 1x serial (DB9), 1x DC-In (MIL), 1x docking connector
Chipset	Intel® Huron River Plattform Intel® Cougar Point QM67		Multibay: 1x ExpressCard/54, 1x SIM-card slot, 1x SD-card slot
CPU	Intel® Core™i7-2610UE™, Sandy Bridge, 1.5 GHz (2.4 GHz max. Turbo Frequency)	Power supply	<ul style="list-style-type: none"> • Li-Ion battery, 10.8 V, 5800 mAh • AC-adapter 100-240 V, 50/60 Hz, 90 W • internal vehicle adapter 12-32 V_{DC} with surge protection
Graphics	Intel® HD Graphics 3000	OS	Windows 7 / 8.1 / 10
Memory	up to 8 GB DDR3 1333 MHz SO-DIMM (1x slot)	Certification	IP65 (with opened I/O-ports), MIL-STD 810G, MIL-STD 461F Ground Navy
Storage	exchangeable 2.5" SATA HDD (500 GB Std.) >> optional with SATA SSD (MLC or SLC)	Housing	rugged magnesium housing
Audio	HD audio, stereo speaker	Colour	military green (NATO olive / RAL 6031 HR), silver/black, desert/sand colour, other colours on request
Keypad	ON/OFF, LCD brightness, standby, 4 free programmable funktion keys	Dimensions	250 mm x 190 mm x 45.2 mm
Security	>> optional TPM1.2 module	Weight	1.9 kg

MIL-STD 810G	operating	storage	MIL-STD 461F Ground Navy	
Altitude Method 500.5, (Procedure I, II)	4572 m (15000 ft)	12192 m (40000 ft)	CE101	30 Hz ~ 10 KHz CE101-4 Curve #1
Temperature Method 501.5 & 502.5, (Procedure I, II)	-20°C to +50°C -30°C with heater	-40°C to +70°C	CE102	10 KHz ~ 10 MHz 115 V, Basic Curve +6db
Temperature Shock Method 503.5, (Procedure I)	N/A	-20°C to +60°C	CS101	30 Hz ~ 150 KHz CS101-1 Curve #1
Rain Method 506.5, (Procedure I)	N/A	276 kPa, 0.5 - 4.5 mm diameter	CS114	10 KHz ~ 200 KMz Curve #5-5-5
Humidity Method 507.5, (Procedure I)	N/A	ten 24 h test cycles 95 % (30°C - 60°C)	CS115	All
Salt fog Methode 509.5, (Procedure I)	N/A	5+-1 % salt concentration, 24 h wet + 24 h dry/cycle, Total: two test cycles / 96 h	CS116	10 KHz to 100 KMz I _{max} = 10 A
Vibration Method 514.6, Category 1 Method 514.6, Category 14 (Procedure I) Method 514.6, Category 20 (Procedure I)	Tracked Vehicle Vibration Helicopter Vibration OH58A/C Comp. Wheeled Vehicle Vibration	Tracked Vehicle Vibration Helicopter Vibration OH58A/C Comp. Wheeled Vehicle Vibration	RE101	30 Hz ~ 100 KHz RE101-2, Navy
Shock / drop Method 516.6, (Procedure I)	40 g, 11 ms	40 g, 11 ms	RE102	10 KHz ~ 18 GHz RE102-4, Navy Fixed & Air Force
			RS101	30 Hz ~ 100 KHz RS101-1, Navy
			RS103	2 MHz ~ 40 GHz
				vertical: 2 MHz ~ 18 GHz, 50 V/m horizontal: 30 MHz ~ 18 GHz, 50 V/m



Panther DR10 incl. Kommleiste & MIL DockLite



Panther DR10 interfaces



Panther DR10 with external GPS module



Panther DR10 vehicle installation

Options

- 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, HSPA 3G (Gobi 3000)
- GPS module (Ublox LEA-6H)
- display filter for night vision equipment
- heater for -30°C operating
- 1-2x additional external COM-ports (DB9 interfaces)
- military round connectors for nearly all interfaces on request

Optional certifications & modifications

- MIL-STD 461F certification
 - Ground Army (Navy mobile & Army)
- BSI Zone 1 / SDIP 27 Level B

Accessories

- second Li-Ion battery 11.1 V, 7200 mAh
- sunshade (glare/sight & display protector)
- 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

