

Panther

full rugged

DR13

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. Exclusive 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">• typ. 750 cd/m²• LED backlight• resistive touch screen• optical bonding	Interfaces	2x USB3.1 Gen.1 (1x fast charge), 1x Gbit LAN (RJ45), 1x serial (DB9), 1x DC-In (MIL), 1x docking connector Multibay: 1x ExpressCard/54, 1x SIM-card slot, 1x SD-card slot
Chipset	Intel® Kaby Lake-U platform	Power supply	<ul style="list-style-type: none">• Li-ion battery, 10.8 V, 5800 mAh• internal vehicle adapter 12-32 V_{DC} with surge protection• AC-adapter 90 W, 19 V_{DC} 3.4 A, 100~240 V_{AC} 50/60 Hz
CPU	Intel® Core™i7-7600U™, Kaby Lake, 2.8 GHz (3.9 GHz max. Turbo Frequency)	OS	Windows 10
Graphics	Intel® HD Graphics 620	Certification	CE/FCC/DOE, WEEE, REACH, RoHS2.0, IP65, MIL-STD-810G, MIL-STD-461G
Memory	up to 32 GB DDR4 2133 MHz SO-DIMM (1x slot)	Housing	rugged magnesium housing
Storage	exchangeable 2.5" SATA HDD (500 GB Std.) >> optional with SATA SSD (MLC or SLC)	Colour	military green (NATO olive / RAL6031HR), silver/black
Audio	HD audio, stereo speaker	Dimensions	250 x 190 x 45.2 mm (L x D x H)
Keypad	ON/OFF, LCD brightness, standby, 4 free programmable funktion keys	Weight	2.3 kg
Security	TPM2.0 module		

MIL-STD-810G	operating	storage	MIL-STD 461G
Altitude Method 500.6, (Procedure I, II)	4572 m (15000 ft)	12192 m (40000 ft)	CE101 30 Hz ~ 10 KHz CE101-4 Curve #1
Temperature Method 501.6 & 502.6, (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 503.6, (Procedure I)	N/A	-20°C to +60°C	CS101 30 Hz ~ 150 KHz CS101-1 Curve #1
Rain Method 506.6, (Procedure I)	N/A	276 kPa, 0.5 - 4.5 mm diameter	CS114 10 KHz ~ 200 KMz Curve #5-5-5
Humidity Method 507.6, (Procedure I)	N/A	ten 24 h test cycles 95 % (30°C - 60°C)	CS115 All
Salt fog Methode 509.56, (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 514.7, Category 1 Method 514.7, Category 14 (Procedure I) Method 514.7, 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 RE102 10 KHz ~ 18 GHz RE102-4, Navy Fixed & Air Force RS101 30 Hz ~ 100 KHz RS101-1, Navy
Shock / drop Method 516.7, (Procedure I)	40 g, 11 ms	40 g, 11 ms	RS103 2 MHz ~ 40 GHz vertical: 2 MHz ~ 18 GHz, 50 V/m horizontal: 30 MHz ~ 18 GHz, 50 V/m



Options

- WiFi module (Intel® Wireless-AC 9260)
 - WLAN 802.11 a/b/g/n/ac
 - Bluetooth 5.0
- GPS module u-blox Neo-M8N (GPS/GLONASS)
- 2nd GBit LAN 10/100/1000 MBit
- fiber optic LAN 100/1000 MBit
- display filter for night vision equipment
- heater for -30°C operating
- military round connectors for nearly all interfaces on request

Optional certifications & modifications

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

Optional accessories

- second Li-ion battery 10.8 V, 8700 mAh
- multi battery charger
- sunshade (glare/sight & display protector)
- transportation bag
- StandUnit (desktop 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), 2x audio (in & out), 1x DC-In,
1x Gbit LAN

v1.6