



Lizard[®]

rugged ultralight

RW11

15.6" notebook



Technical specification

Display	LCD 15.6" Full HD (1920x1080) • LED backlight • sunlight readable typ. 300 cd/m ² • optical bonding
Chipset	Intel [®] Chief River Plattform Intel [®] QM77 Express Chipset
CPU	Intel [®] Core™ i7-3610QE, 2.3 GHz, 3 rd Generation Quad Core Processor, max 3.30 GHz, with Intel [®] Turbo Boost Technology, 6MB Intel Smart Cache
Graphics	Intel [®] HD Graphics 4000
Memory	up to 32 GB DDR3L 1600 Mhz 4x SO-DIMM slot
Storage/ ODD	HDD up to 1000GB per drive SSD up to 600GB per drive Version 1: up to 4x 2.5" SSD drives (2xSATA2 + 2xSATA3) Version 2: up to 2x 2.5" SATA3 SSD drives + DVD-RW drive
Audio	HD audio and stereo speaker, embedded Microphone
Keyboard	87 keys with backlight
Touchpad	standard: capacitive (multi touch) alternative: resistive (single touch)

Interfaces (left side)	2x USB 3.0 (1x fast charge 1.2 V & 1.5 A), 2x Audio 3.5mm jack
Interfaces (right side)	2x USB2.0, 1x GBit LAN
Interfaces (rear side)	1x MIL DC-In, 1x VGA, 1x Displayport, 2x serial DB9 (COM 1-4)
Interfaces (bottom side)	1x multi bay docking port >> <i>docking solution on request</i>
Power supply	• Li-polymer battery, 10,8 V, 5800 mAh (2x 5800 mAh battery without DVD drive) • AC-adapter 200W, 100V~240V, 50/60Hz
Security	Kensington lock >> <i>TPM 1.2 (optional)</i>
OS	Windows 7 / 8.1 / 10 / Server 2012
Certification	CE/FCC, WEEE, REACH, RoH, IP65 (with opened I/O-port covers), MIL-STD 810G, MIL-STD 461F
Housing	full aluminum milled housing
Colour	military green (NATO olive / RAL6031HR)
Dimensions	382 x 280 x 34 mm (without bumper) 392 x 300 x 42.5 mm (with bumper)
Weight	4.7 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)	-20°C to +55°C *optional heater for -30°C * +60°C only with one fan	-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)	ten 24 h test cycles 95 % (30°C - 60°C)	ten 24 h test cycles 95 % (30°C - 60°C)
Salt fog Method 509.5, (Procedure I)	N/A	5+-1 % salt concentration, 24 h wet + 24 h dry/cycle, Total: two test cycles / 96 h
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
Shock / drop Method 516.5, (Procedure I)	40 G, 11ms 76 cm (26 drops)	40 G, 11ms 76 cm (26 drops)

MIL-STD 461F		
CE101	30 Hz ~ 10 KHz	CE101-4 Curve #1
CE102	10 KHz ~ 10 MHz	115 V, Basic Curve +6db
CS101	30 Hz ~ 150 KHz	CS101-1 Curve #1
CS114	10 KHz ~ 200 KMz	Curve #5-5-5
CS115		All
CS116	10 KHz to 100 KMz	Imax = 10 A
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
RS103	2 MHz ~ 40 GHz	2 MHz ~ 8 GHz, 50 V/m



Lizard® RW11 left side interfaces



Lizard® RW11 rear side interfaces



Lizard® RW11 right side interfaces

Options

- dedicated nVIDIA® GeForce® GTX950M graphics chip, 2GB Memory
- Display upgrade 800 cd/m²
- I-Temp SLC SSD (-45°C to + 85°C)
- Capacitive touch screen
- WLAN card (Intel® Centrino Advanced-N 6235 802.11 ac/a/b/g/n) incl. Bluetooth v2.1, 2.1+EDR, 3.0, 3.0+HS, 4.0(BLE)
- GPS Ublox Neo-M8N module (GPS/GLONASS)
- 2nd GLAN port (RJ45)
- 2 additional serial DB9 ports (COM 3-4)
- built-in vehicle adapter 12-32 V_{DC}
- wide temperature range -30°C to +60°C
- Smart Card Reader Class 1
- integrated RAID Storage (e.g. 1x System HDD/SSD + 3x HDD/SSD raid composite)
- Handle on front side



Lizard® RW11 HDD + battery bay

Extensions for multi bay docking port

- 8 Port switch (copper)
 - 1x MIL DC-in, 1x RS232 console port, 8x RJ45 GBit LAN
- 8 Port switch (LWL)
 - 1x MIL DC-in, 1x RS232 console port, 8x LC GBit fiber LAN

Optionale Certification & Modification

- TEMPEST SDIP 27 Level B (ER)

Accessories

- external battery charger

