Lizard® RS11

rugged ultralight 13.3“ notebook

WATER SAND

FROST HEAT

SHOCK DROP

THIN LIGHT

Lizard® RS11 – It is the first rugged notebook that is ultra-flat, light and equipped with a housing that is milled from solid aluminium. As a result, a high rigidity and robustness could be reached despite the minimal installation space and weight. Besides the well-proven Rocky® notebooks and Panther tablets which are usually installed in vehicles, a revolution for the „mobile“ use was succeeded with the Lizard® RS11.

Technical specification

Display	LCD 13,3“ HD (1600x900) LED • LED backlight • sunlight readable • optical bonding
Chipset	Intel® Chief River Plattform Intel® Controller Hub Mobile (PCH) QM77
CPU	Intel® Core™ i7-3517UE, 1.7 GHz, 4 MB Intel® Smart Cache
Graphics	Intel® HD Graphics 4000
Memory	up to 8 GB DDR3 1600 Mhz (1x SO-DIMM slot)
Storage	2.5” SATA II/III drive (7mm) SSD (120 - 600GB MLC) *>> optional mSATA slot*
Audio	HD audio and stereo speaker, embedded Microphone
Touchpad	capacitive (multi touch)
Power supply	• Li-polymer battery, 11,1 V, 6040 mAh • AC-adapter 90 W 100V~240V 50/60Hz
Interfaces (left side)	2x USB 3.0 (1x fast charge 1.2 V & 1.5 A), 1x GBit LAN, 1x SIM card slot, 1x SD (SDHC/ SDXC) card slot
Interfaces (rear side)	1x DC-In (2-Pin) *>> optional MIL DC-In (3-Pin Amphenol)*
Interfaces (bottom side)	1x multi bay port *>> docking solution on request*
Security	*>> TPM 1.2 (optional)*
OS	Windows 7 / 8.1 / 10
Certification	CE, FCC, WEEE, REACH, WHCK, full IP65 (with opened I/O-port covers), MIL-STD 810G, *>> optional MIL-STD 461F*
Housing	milled anti-corrosion aluminum
Colour	black, military green (NATO olive / RAL6031HR)
Dimensions (L x D x H)	338 x 265 x 28 mm with bumper < 1 zoll thin
Weight	2.5 kg

roda solid IT-solutions

roda computer GmbH reserves the right to update the information at any time without notice

Lizard® RS11

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	-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 122 cm (26 drops)	40 G, 11ms 122 cm (26 drops)

Optional: 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 ~ 18 GHz, 50 V/m

Lizard® RS11 closed

Lizard® RS11 vs Rocky® RK10

Lizard® RS11 rear side example for MIL interfaces

Lizard® RS11 full rugged

Options

- sunlight readable LCD with 1000 cd/m²
- multi touch screen (capacitive)
- WLAN: Intel® Centrino Advanced-N 6235
  802.11 a/b/g/n [WiFi / BT]
- Bluetooth 4.0 (compatible with: 2.1, 2.1+EDR, 3.0, 3.0+HS)
- WWAN HSPA 3G (Gobi 3000)
- GPS uBlox LEA-6H
- TPM 1.2 module
- Webcam 1MP (HD 720p)
- mSATA slot for System or 2nd SSD
- compatible with night vision googles
- wide temperature range (heater: -30°C to +55°C)
- internal vehicle adapter 12~32 V_{DC}
  & surge protector (SP200 module)
- Multibay docking connector (bottom side):
  1x PCIe, 1x USB3.0, 1x USB2.0, 1x DC-In
- configuration for I/O-Ports (left side):
  - Standard: 1x GLAN RJ45, 2x USB3.0
  - Option 1: 2x GLAN RJ45, 1x USB3.0
  - Option 2: 1x GLAN RJ45, 1x mini Displayport, 1x USB3.0

Optional Certification

- MIL-STD 461F certification
  - Ground Navy (Navy fixed & Air Force)

Only possible with resistive touch pad and touch screen!

Customization for MIL interfaces (rear side)

- optional interfaces as MIL grade connectors, e.g.:
  (max. 5 MIL-interfaces possible)
  - up to 4x MIL COM interfaces (RS232/RS422/RS485)
    [COM Ports not switchable by BIOS]
  - MIL Audio interface (audio/headset)
  - MIL VGA / RGB interface for external display
  - MIL USB2.0 interface
  - MIL Gigabit LAN interface

Accessories

- transportation bag
- external DVD(RW)-drive
- adapter cable for MIL-interfaces

v2.4

ISO 9001:2008 DEKRA zertifiziert

roda solid IT-solutions

Landstraße 6
77839 Lichtenau, Germany
www.roda-computer.com

Tel.: +49 (0) 72 27 / 95 79 - 0
Fax: +49 (0) 72 27 / 95 79 - 20
mail@roda-computer.com