Rocky RS11

Rugged revolution

There are three important factors when considering rugged mobile computers; weight, ruggedness and performance – The Rocky RS11 series from MilDef excels in each area.

Without sacrificing any of its rugged performance for military applications, the Rocky RS11 packs all the performance needed, and more. With main features such as an Intel i7-3517UE CPU, Intel HD graphics 4000, SATA III SSD and up to 8 GB RAM, the user will have all the performance required in a highly rugged package that weighs only 2.5 kg (depending on configuration).

Despite its low weight and size, the Rocky RS11 is designed for extreme environments and is made to be used in the field. MIL-STD-810G and IP65* certification is standard.

Guaranteed performance
Products supplied by MilDef, are always provided with lifetime support to ensure that the equipment maintains peak performance over many future missions.

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Technical Specification

CPU	Intel Core i7-3517UE 1.7 GHz (Max Turbo Boost Frequency2.8 GHz)
RAM	Max 8 GB DDR3 1600 MHz
Graphic	Intel HD Graphics 4000
Storage	120 GB - 500 GB SATA III SSD (removable)
Display	13.3" Widescreen (1600 x 900), sunlight readable, IPS LCD with LED backlight
Sound	HD Audio and stereo speakers Embedded digital mic
Keyboard/mouse	87-key with Backlight, Capacitive Touchpad with multi-touch, works with gloves (Win 8 compatible)
Interfaces (right)	1 x SSD Bay
Interfaces (left)	1 x SD Card Slot (supports SDHC/SDXC) 1 x x SIM Card Slot 1 x USB 3.0 (USB-IF BC V1.2 for 1.5A fast charger) 1 x USB 3.0 1 x GigaLAN RJ45
Interfaces (rear)	1 x MIL DC in Optional 1-5 mil connectors (Fischer)
Interfaces (internal)	5 x internal mini PCIe (4 Full / 1 half size) 1 x Internal USB 2.0 1 x Internal USB 3.0 1 x internal Audio/Headset 1 x VGA (RGB)
Primary Battery	Removable 11.1V / 6040 mAh Li-Ion Polymer battery
Power Input	AC Adapter 90W AC 100-240V 50/60Hz DC-in 12- 32V with Surge Protector
Case	CNC milled Aluminum (Colors available in black or green)
Dimensions	330 x 246 x 24 mm (W x D x H, w/o corner rubbers) 338 x 265 x 28 mm (W x D x H, with corner rubbers)
Weight	2.5kg – Depending on configuration
Certifications	CE, FCC, WEEE, REACH, IP65 (open port, without caps), MIL-STD-810G* and MIL-STD-461F*, WHCK
OS	Windows 7 and 8

*Contact MilDef for full specifications of MIL-STD-810G and MIL-STD-461F

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 (-4 °F to 122 °F)	-40 °C to 70 °C (-40 °F to 158 °F)
Temp Shock Method 503.5 (procedure I)	-20 °C to 60 °C (-4 °F to 140 °F)	-
Shock Method 516.6, (procedure I)	40 G, 11 ms	40 G, 11 ms
Vibration Method 514.6, (category 1, 14 & 20)	M548 Tracked Vehicle, OH58A/C Helicopter and Composit wheeled vehicle vibration	-
Rain Method 506.5, (procedure II)	276 kPa, 5 Surfaces, 40 min/Surface	-
Humidity Method 507.5	-	Ten 24 h test cycles
Salt Fog Method 509.5, (procedure I)	-	Salt 5 ±1 %, 24 h wet + 24 h dry/cycle. Total 2cycles / 96 h

Standard Options

Power	DC 12- 32V with Surge Protector
Communications	GPS 1 x 2nd LAN RJ45 (GigaLAN) 1 x MIL LAN 1 x MIL VGA 1-4 x MIL COM 1 x MIL Audio 1 x MIL USB WLAN 802.11 a/g/n, Bluetooth 4.0 (BLE), WWAN *HSDPA+/UMTS/GSM/GPRS/EDGE*

Additional Connectivity	1 x Mini HDMI
	1 x LC Fiber conector single mode**
	1 x Multi bay port:
	  - 1 x PCI-e
	  - 1 x USB3.0
	  - 1 x USB 2.0
	  - 1 x Power (3.3V/5V)

Display	Night Vision, Capacitive Multi-touch
Temperature	-30 °C
MIL-STD-461F	Ground Navy, Ground Army

** Other fiber options available

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