MilDef RF10

Fully rugged and fully loaded

The MilDef RF10 gives you the rugged reliability you expect plus a wide array of high-performance functionality. It's 17″ HD screen, Intel i7 processor and up to 16GB of RAM make it ideal for viewing maps, running demanding apps and analyzing photo and video. And with a massive range of accessories and configuration possibilities, the RF10 lets you customize a solution that meets all your demands.

Built to take a beating
The RF10 is built from the ground up to withstand the harshest conditions over the long haul. It has a magnesium alloy casing, MIL connectors and is designed for operations down to -20 °C. This toughness has been proven on the ground time and time again with international combat forces.

Guaranteed performance
Our products always come with lifetime support to ensure your equipment maintains peak performance for many missions to come.

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Technical Specification

CPU	Intel Sandy Bridge i7-2610UE
RAM	Max 16 GB DDR3 1333 MHz
Graphic	Intel HD Graphics 3000
Storage	160 GB – 500 GB SATA HDD / SSD
Display	17.1 " WXGA+ (1440 x 900) LED Backlight 500 nits
Sound	HD Audio and Stereo Speakers
Keyboard/mouse	87-Keyboard, Resistive touch pad (PS/2)
Interfaces (right)	1 x Flex Bay (HDD/DVD/Batt etc)
Interfaces (left)	1 x PS/2 2 x USB 3.0** 1 x USB 2.0 fast charger 1 x IEEE1394a (Firewire) 1 x RJ45 LAN (10/100/1000mbps) 3 x 3.5mm (Mic,Line-in/earphone) 1 x PCIe slot
Interfaces (rear)	2 x Serial Port DB9 1 x DC in 12-32V 1 x RGB DB15 1 x DVI 1 x Printer Port DB12
Interfaces (internal)	4 x mini PCIe (3x full-size / 1x half-size) 4 x USB 2.0 4 x Serial (BIOS selectable: RS232/RS422/RS485/TTL)
Primary Battery	Removable 11,1 V / 8700 mAh Lithium-Ion primary battery
Power Input	DC 12 V- 32V AC Adapter: 90W AC 100V~240V 50/60Hz
Case	Magnesium alloy
Dimensions	412.4 x 318.2 x 77 mm (W x D x H, with rubber bumpers)
Weight	5.9 kg (depending on configuration)
Certifications	CE, FCC, WEEE, REACH, WHQL, IP65 (without protection caps), MIL-STD-810G* and MIL-STD-461F*
Operating System	Windows 7, Windows 8 Linux – depending on configuration

*Contact MilDef for full specifications of MIL-STD-810G and MIL-STD-461F
**Non-native USB 3.0

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 131 °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 122 cm (26 drops)	40 G, 11 ms 122 cm (26 drops)
Vibration Method 514.6, *(category 14 & 20)*	OH58A/C Helicopter and Composit wheeled vehicle vibration	-
Vibration Method 514.6, *(category 1)*	M548 Tracked Vehicle	-
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

Flex Bay / Storage	Removable 3.5" DVD-RW 2nd SATA HDD with heater or secondary battery. Flexbay with DC, PCIe, USB, LAN, SATA and serial signals for customer specific modules. ViaSat® Eclypt® Core encrypted HDD/SSD [Export Controlled]
Communications	10/100/1000Mbit LAN RJ45, WLAN (a/b/g/n) / BT 4.0 (BLE) WWAN/HSDPA, GPS
Additional Connectivity	2 x MIL Connector upgrade for RS232/422/485 etc. External COM3/4 RS232/422/485 100 or 1000 base fibre LAN in LC, HMC or HMA connector.
Power	Built in vehicle adapter (12-32 V DC) Mil connector upgrade for DC Secondary battery 11.1V 7200 mAH Lithium- Ion Optional MIL-STD-1275B for DC input
Graphics	NVIDIA GeForce GT520M
Display	WUXGA 1920 x 1200 Night Vision
Keyboard	89-keys backlit keyboard, Keyboard dust cover (for std keyboard)
MIL-STD-461F	Ground Navy

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