MilDef RK15

15" Rugged mobile workstation

The MilDef RK15 ultra rugged computer is designed from the inside out to perform in the most extreme conditions over the long haul. With a subtlety updated classic form factor and new technology on the inside, a powerful Intel® Xeon CPU, and up to 64GB of RAM you will get impressive computing performance with a long lifecycle.

Guaranteed performance
All MilDef products come with comprehensive lifecycle sustainment support to ensure your equipment maintains peak performance for many missions to come. We also guarantee the availability of spare parts for 5 years after product end-of-life.

Features

- Intel® Xeon® W-11865MLE CPU
- Up to 64 GB RAM
- 15" UXGA display
- Docking connector
- TPM 2.0
- Removable SSD
- Wi-Fi, Bluetooth, & GNSS (option)
- Touch Screen (option)
- Smart Card slot (option)
- Express card slot (option)

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Technical Specification	
CPU	Intel® Xeon® W-11865MLE Processor
Display	15" UXGA (1600x1200) Brightness: ~700 nits* Resistive Single Touch screen *(optional)*
Keyboards	83-key w. Backlight (Rubber-Membrane Type) Resistive Touchpad
Case	Magnesium Alloy with cooling fan (Black or Green)
Software	
Operating system	Windows 10 / Windows 11
Memory	
RAM	Up to 64 GB DDR4 3200 MHz
Storage	1x removable M.2 PCIe NVMe SSD (256 GB/ 512 GB/ 1TB) 1x additional SSD (*optional*)
Graphics	
GPU	Intel® UHD Graphics (integrated)
Battery	
Battery	10,8 V / 8700 mAh Li-Ion (primary)
Sound	
Audio	HD Audio and Stereo Speakers
Security & Management	
TPM	TPM 2.0 Smart Card Reader *(optional)*
Interfaces	
Ethernet	2x Ethernet 2.5GBase-T
Wi-Fi/Bluetooth	Wi-Fi 6 *(optional)* Bluetooth 5.3 *(optional)*
GNSS	Ublox Neo-M9N GPS/GLONASS/Galileo/Beidou (*optional*)
USB	2x USB 3.2 Gen 2 Type A 2x USB 2.0 Type A
Video out	1x VGA 1x Display port++ 1x DVI
Express card slot	Yes *(optional)*
Docking port	Yes
Speaker	Stereo Speakers
Audio	1x Line-in, 1x Mic, 1x Headphone
Serial	2x COM** 2x additional COM** *(optional)*

Technical Specification (cont.)	
Size & Weight	
Dimensions with bumpers (W x D x H)	353 x 301 x 79 mm (13.9 x 11.6 x 3.1 In)
Weight	5.5 kg (12.13 lbs.) (depending on configuration)
Temperature Range	
Operational DC	-20 °C to +55 °C (-4 °F to +131 °F)
	-30 °C to +55 °C (-22 F to +131 °F) *(optional)*
Storage	-40 °C to +70 °C (-40°F to +158°F)
Power	
Power input	19 V_{DC} 12- 32 V_{DC} w. surge protector *(optional)*
AC Adapter	Please see the accessories section
Standards	
CE / FCC / UKCA	Yes / Yes / Yes
REACH	Yes
Environment	MIL-STD-810H IP65
EMC/EMI	MIL-STD-461G Ground Navy MIL-STD-461G Ground Army (*optional*)
Warranty	
Warranty	5 years
Customization	

Need anything not included in the data sheet? MilDef products are designed to enable customization to your specific program requirements. Please contact your MilDef sales team member to find the best solution for your requirements.

* Depending on configuration the brightness can differentiate
** Can be selected via BIOS RS232/RS422/RS485

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Accessories & Options	
AC/DC Adapters	
AC Adapter 90W (EU) – Indoor Use	110/220 V_{AC} (100~240 V_{AC}), 50/60 Hz
AC Adapter 90W (US) – Indoor Use	110/220 V_{AC} (100~240 V_{AC}), 50/60 Hz
AC Adapter 90W Ground Army – Indoor Use (EU)	110/220 V_{AC} (100~240 V_{AC}), 50/60 Hz
AC Adapter 90W Ground Army – Indoor Use (US)	110/220 V_{AC} (100~240 V_{AC}), 50/60 Hz
ACS90 – Rugged AC adapter 90W (IP65, MIL-STD-810G, MIL-STD-461G)	110/220 V_{AC} (100~240 V_{AC}), 50/60 Hz or 400Hz
Chargers	
Multi battery charger	Charger for batteries
Mounting & Transport	
Docking and mounting solutions	Please get in contact with your MilDef sales office for options
Bag / Backpack	Carrying bag is included but please get in contact with your MilDef sales office for additional options.

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