

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 subtly 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.

Customizable

Are you looking for features and functions beyond the standard solutions offered by large commercial manufacturers? MilDef products are designed to enable customization to your specific program requirements, e.g. connectors, chassis modifications, mounting solutions, etc. Contact your nearest MilDef Sales Office and we will help you to find a solution that meets your requirements.

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)

Technical Specification

Case Magnesium Alloy with cooling fan (Black or NATO Green)

CPU Intel® Xeon® W-11865MLE Processor

Display 15" UXGA (1600x1200)
Brightness: ~700 nits*
Resistive Single Touch screen (optional)

Keyboard and touch pad 83-key with backlight (Rubber-Membrane Type)
Resistive Touchpad

Software

Operating system Windows 10 / Windows 11 LTSC 24H2

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)

Storage -40°C to +70°C (-40°F to +160°F)

Battery

Battery 10,8 V / 8700 mAh Li-Ion (primary)

Sound

Audio HD Audio and stereo speakers

Security & Management

TPM TPM 2.0

Other Smart Card Reader (optional)

Interfaces

Ethernet 2x Ethernet 2.5GBase-T

Wi-Fi/Bluetooth Wi-Fi 6 (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

Audio 1x Line-In, 1x Mic, 1x Headphone

Serial 2x COM**, 2x additional COM** (optional)

Size & Weight

Dimensions 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

Operating¹ -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

¹⁾ Achieved with DC-in connected

Accessories & Options**AC/DC Adapters**

AC Adapter 90W (EU) - Indoor Use	110/220 VAC (100~240 VAC), 50/60 Hz
AC Adapter 90W (US) - Indoor Use	110/220 VAC (100~240 VAC), 50/60 Hz
AC Adapter 90W Ground Army - Indoor Use (EU)	110/220 VAC (100~240 VAC), 50/60 Hz
AC Adapter 90W Ground Army - Indoor Use (US)	110/220 VAC (100~240 VAC), 50/60 Hz
ACS90 - Rugged AC adapter 90W (IP65, MIL-STD-810G, MIL-STD-461G)	110/220 VAC (100~240 VAC), 50/60 Hz or 400Hz

Chargers

Multi battery charger	Charger for batteries
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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.