

# RUGGED WORKSTATION

# RK15



- Excellent performance with server-grade Intel® Xeon® W-11865MLE Processor enables robust computing power.
- 15" LCD of 4:3 aspect ratio display for fitting more information vertically.
- Wide range of interfaces providing more connectivity capabilities.
- Massive storage with removable sealed SSD housing which configured up to 2TB.
- Compliant with MIL-STD-810H & IP65 to withstand extreme environments.
- Upgraded with EMC solution of Optional MIL-STD-461G (Ground Navy and Ground Army) available.



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## Standard Unit

Items	Descriptions
<b>Platform</b>	– Intel® Tigerlake-H Platform
<b>Operation System</b>	– Windows 10
<b>Processor</b>	– Intel® Xeon® W-11865MLE Processor – 8 Cores, 24MB Cache, up to 4.5GHz
<b>Chipset</b>	– Mobile Intel® RM590E Chipset
<b>Graphic</b>	– Intel® UHD Graphics
<b>Display</b>	– 15" UXGA (1600 x 1200) LCD – Optical Bonding – Brightness (min.~ typ.): 700~900 nits
<b>Memory</b>	– 260 pin DDR4-3200 SO-DIMM x 2 – 8GB/16GB/32GB DDR4-3200 (ECC/non ECC), up to 64GB
<b>Storage</b>	– Removable Sealed SSD Housing (1 <sup>st</sup> SSD) – Std.: M.2 PCIe 3.0 SSD (256GB~1TB)
<b>Audio</b>	– HD Audio and Stereo Speakers
<b>Sensor</b>	– Ambient Light Sensor
<b>Keyboard</b>	– 83-key with Backlight
<b>Touchpad</b>	– Resistive Touchpad
<b>Buttons</b>	– Power Button (Gray)
<b>LED Indicators</b>	– Bluetooth®/WLAN/GNSS (Blue) – Keyboard Caps Lock (Green) – SSD in Use (Flashing Green) – 2 <sup>nd</sup> Battery: Charging/Battery low (Orange/ Flashing Orange) – Primary Battery: Charging/Battery low (Orange/ Flashing Orange) – Power: System ON/S3 (Green/Flashing Green)
<b>Security</b>	– TPM 2.0
<b>Case</b>	– Magnesium/ Aluminum
<b>Color</b>	– Black/NATO Green
<b>Environmental Specifications</b>	– Operating Temperature: Std: -20°C ~ +55°C – Storage Temperature: -40°C ~ +70°C
<b>Dimensions</b>	– 353 x 301 x 79 mm
<b>Weight</b>	– Approximately 5.5 kg
<b>Certifications</b>	– CE/FCC/UKCA/RCM – WEEE – REACH – RoHS2.0 – IP65 (without I/O caps) <sup>1</sup> – MIL-STD-810H

Power	
<b>Main Battery</b>	– Removable Battery Pack BRKF3A: Li-ion 10.8V/8700mAh
<b>AC Adapter</b>	– 90W, 100-240VAC, 50/60Hz
<b>DC-in</b>	– Std.: DC-in 19V – Std.:DC-in Conn.: 2 pin

Communications	
<b>GLAN</b>	– 2.5G base-T Ethernet (Support Vpro)

I/O Interfaces	
<b>Left</b>	– 2.5G LAN RJ45 x 2 – USB 3.2 Gen. 2 x 2 – USB 2.0 x 2 – Audio Jack x 3 (Line-In/ Microphone/ Headphone) – Optional Express Card Slot x 1 – Optional Serial Port DB9 x 2 (Default: COM3, COM4)
<b>Right</b>	– 2.5" SATAIII SSD
<b>Rear</b>	– DC-in Conn. x 1 – Std: DC-in 2 pin – Serial Port DB9 x 2 (Default: COM1, COM2) – Docking Connector x 1 – VGA port x 1 – Display Port++ x 1 – DVI Port x 1 (proprietary for DP860 Display)
<b>Internal</b>	– Mini PCIe Slots x 3 (Full size x 3) – M.2 2280 M key x 1 (Signal: PCIe Gen. 4 only) – M.2 2230 x 1 (WLAN/Bluetooth® Module) – Serial Ports x 4 (COM1 ~ COM4) – BIOS selectable: RS232/RS422/RS485 – without TTL signals

## Optional Devices

Items	Descriptions
<b>Display</b>	– Resistive Single Touch Panel (Interface: USB)
<b>Memory</b>	– 260 pin DDR4-3200 SO-DIMM – 8GB/16GB/32GB DDR4-3200 (ECC/non ECC), up to 64GB
<b>Storage</b>	– Removable Sealed SSD Housing (2 <sup>nd</sup> SSD) – M.2 PCIe 3.0 SSD (256GB~1TB)
<b>Flex Bay</b> Fanless version only	– Flex Bay signals: – SATAIII x 1, PCIe x 1, USB 3.2 Gen.2 x 1, 2 <sup>nd</sup> battery, COM x 1, LAN x 1 – Removable SATAIII ODD – Trade-off with optional 2 <sup>nd</sup> battery – Removable 2 <sup>nd</sup> Battery BRKF3C: – Li-Ion 10.8V/9100mAh – Trade off with optional ODD – Non-backward compatible, new high speed conn.
<b>WLAN/Bluetooth®</b>	– Intel® Wi-Fi 6E AX210 – Wi-Fi 4, 5, 6 – Bluetooth® 5.3 – Interface: PCIe (WLAN)/ USB (Bluetooth®) – Form Factor: M.2 2230
<b>GNSS</b>	– Ublox Neo-M9N (Interface: USB) – GPS/GLONASS/Galileo/Beidou
<b>Memory</b>	– 8GB/16GB/32GB DDR4-2133 SO-DIMM
<b>Smart Card Reader</b>	– Available
<b>Express Card</b>	– Available
<b>DC-in</b>	– DC-in Conn.: Military 3 pin
<b>BVA &amp; Surge Protector Module</b>	– DC-in 12~32V BVA & Surge Protector Module
<b>COM3/COM4</b>	– DB9 ports on left x 2, On Board
<b>Wide Temp. -30°C ~ +55°C</b>	– Available, need to choose Low Temp. battery.
<b>Certifications</b>	– MIL-STD-461G (Ground Navy and Ground Army)
<b>Battery Charger</b>	– Multi Battery Charger MCRK for Battery: 10.8V/8700mAh Li-Ion BRKF3A 10.8V/9100mAh Li-Ion BRKF3C
<b>External Vehicle Adapter</b>	– EVA 1275 – EVA19040

<sup>1</sup> Optional Smart Card Reader shall be covered.