

RUGGED WORKSTATION

RW14



- Large screen with 15.6" FHD LCD
- Robust performance with Intel® Xeon® E-2176M Processor
- Portable workstation for achieving powerful performance
- Rugged CNC milled aluminum case to withstand harsh and extreme environments
- Designed with MIL-STD-810H & IP65 compliant
- Upgraded with EMC solution of Optional MIL-STD-461G (Ground Navy and Ground Army) available



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Items	Descriptions
Platform	– Intel® Coffee Lake Platform
Operation System	– Windows 10 – Windows Server 2016/Server 2019
Processor	– Intel® Xeon® E-2176M Processor – 12MB Intel® Smart Cache, up to 4.4GHz – Intel® Vpro technology
Chipset	– Intel® CM246 Chipset
Graphic	– Intel® UHD Graphics P630 Optional: – nVIDIA® GeForce® GTX1050 4GB graphic add-on card (Default: DGPU)
Display	– 15.6" FHD (1920 x 1080) LCD – Optical Bonding – Brightness ¹ : 270 nits Optional: – Brightness ¹ : 800 nits
Memory²	– DDR4 SODIMM x 4 – DDR4 2400 MT/s – For ECC Type, support up to 16GB/SO-DIMM – For non-ECC Type, support up to 32GB/SO-DIMM – Max. 64GB System Memory
Storage³	– 1 st : 128GB 2.5" SATAIII MLC SSD Optional: – 1 st : 256GB/512GB/1TB 2.5" SATAIII MLC SSD – 2 nd ~ 4 th : 128GB/256GB/512GB/1TB 2.5" SATAIII MLC SSD
Audio	– HD Audio and Stereo Speakers Optional: – Embedded Digital Mic
Keyboard	– 83-key with Backlight (Membrane Type)
Touchpad	– PS/2 Resistive Single-Touch Touchpad
Buttons	– Power Button
LED Indicators	– Power/S3 (Green/Flashing Green) – SSD/Heater (Green/Orange) – Charge/Battery low (Orange/Flashing Orange)
Security	– Password Security (Supervisor Password, User Password) – Kensington Lock Slot Optional: – TPM 2.0
Case	– CNC milled Aluminum
Color	– Black – NATO Green
Environmental Specifications	– Operating Temperature: -20°C ⁴ ~ +60°C ⁵ – Storage Temperature: -40°C ~ +70°C Optional: – Operating Temperature: -30°C ⁶ ~ +60°C ⁵
Dimensions⁷	– 392 x 302 x 43 mm
Weight⁷	– Approximately 5.3 kg

Power	
Main Battery⁸	– Standard Battery Pack BRWB3B: – Li-Ion 10.8V/5980mAh x 2
Input Power	– Mil 2-pin DC-in – 19V Optional: – 12~32V with BVA & Surge Protector Module

Communications	
LAN	– 10/100/1000 base-T Ethernet – 1 st LAN: Intel® I219LM Optional: – 2 nd LAN: Intel® I210
Wi-Fi/Bluetooth®	Optional: – Intel® Dual Band Wireless AC9260 – Wi-Fi Certified: 802.11 a/b/g/n/ac – Bluetooth® 5.0
GNSS	Optional: – Ublox Neo-M8N GPS/GLONASS

I/O Interfaces	
Left	– Microphone (Mini Jack) x 1 – Audio output (Mini Jack) x 1 – Line-in Jack (Mini Jack) x 1 – USB 3.1 Gen.2 Type-A x 1 – USB 3.1 Gen.2 Type-A x 1 (1.5A Fast Charging)
Right	– 1st LAN RJ45 x 1 – USB 3.1 Gen.2 Type-A x 2 Optional: – 2 nd LAN RJ45 x 1
Front	Optional: – Smart Card Reader
Rear	– DC-in Jack x 1 – Display Port x 1 – VGA Port x 1 – Serial Port DB9 ⁹ x 2 (Default: COM1~2) Optional: – Serial Port DB9 ⁹ x 2 (Default: COM3~4)
Bottom	– Dock Under Port ¹⁰ x 1

Accessories	
Low Temperature Battery³	– Battery Pack BRWB3C: – Li-Ion 10.8V/5000mAh
AC Adapter	– Mil 2-pin DC-in Jack – 200W, 100-240VAC, 50/60Hz
Battery Charger	– Multi Battery Charger MCRW for Battery: – 10.8V/5980mAh Li-Ion BRWB3B – 10.8V/5000mAh Li-Ion BRWB3C

Certifications	
Certifications	– CE/FCC/UKCA/RCM – WEEE – REACH – RoHS – POPs – IP65 (without I/O caps) ¹¹ – MIL-STD-810H – MIL-STD-461G (Ground Navy) ¹² – MIL-STD-461G (Ground Army) ¹²

¹Varies from display configurations

²Available up to 4 SO-DIMM

³User-removable.

⁴Instant Cold Boot via AC Mode.

⁵Via AC Mode

⁶Need to choose Battery Pack BRWB3C: 10.8V/5000mAh (Low Temp.), Cold Boot via LCD Heater.

⁷Varies from configurations and optional accessories.

⁸Hot-swappable with dual battery design.

⁹Default: RS232, BIOS selectable RS422, RS485.

¹⁰Support PCI-e x 1, USB2.0 x 1, USB3.1 x 1, +VA, +V3.3A, +V5S, +VBata, +USB5V3, GND

¹¹Optional Smart Card Reader shall be covered.

¹²Contact your sales representative for more details.