



- 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



RUGGED WORKSTATION

RW14



| 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: – 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/Bluetooth⁹ | 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 – WEEE – REACH – RoHS – 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 x1, 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.



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MilDef Crete Inc.

7 F, No. 250, Sec. 3, Pei Shen Rd., Shen Keng District, New Taipei City 22204, Taiwan (R.O.C.)
Tel: 866-2-2662-6074 Fax: 866-2-2664-2662

www.mildefcrete.com

MilDef Crete Australasia Pty Ltd

Level 5, 7 Eden Park Dr, Macquarie Park, NSW 2113, Australia.
Tel: +61 2 8527 2542

www.mildefcrete.com.au