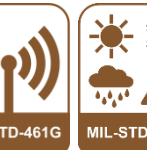


# RUGGED WORKSTATION

# RB14



- Extra-large screen with 17.3" FHD LCD
- Powered with Intel® Xeon® E-2176M Processor
- Robust workstation for efficient performance and productivity
- 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

# RB14



Items	Descriptions
<b>Platform</b>	– Intel® Coffee Lake Platform
<b>Operation System</b>	– Windows 10 – Windows Server 2016/Server 2019
<b>Processor</b>	– Intel® Xeon® E-2176M Processor – 12MB Intel® Smart Cache, up to 4.4GHz – Intel® Vpro technology
<b>Chipset</b>	– Intel® CM246 Chipset
<b>Graphic</b>	– Intel® UHD Graphics P630 <b>Optional:</b> – nVIDIA® GeForce® GTX1050 4GB graphic add-on card (Default: DGPU)
<b>Display</b>	– 17.3" FHD (1920 x 1080) LCD – Air Bonding – Brightness <sup>1</sup> : 1000 nits
<b>Memory<sup>2</sup></b>	– DDR4 SO-DIMM 2400 MT/s – For ECC Type, 8GB/16GB, support up to 16GB/SO-DIMM – For non-ECC Type, 8GB/16GB/32GB, support up to 32GB/SO-DIMM – Max. 64GB System Memory
<b>Storage<sup>3</sup></b>	– 1 <sup>st</sup> : 128GB 2.5" SATAIII MLC SSD <b>Optional:</b> – 2 <sup>nd</sup> ~ 4 <sup>th</sup> : 128GB/256GB/512GB/1TB 2.5" SATAIII MLC SSD
<b>Audio</b>	– HD Audio and Stereo Speakers <b>Optional:</b> – Embedded Digital Mic
<b>Keyboard</b>	– 83-key with Backlight (Membrane Type)
<b>Touchpad</b>	– PS/2 Resistive Single-Touch Touchpad
<b>Buttons</b>	– Power Button
<b>LED Indicators</b>	– Power/S3 (Green/Flashing Green) – SSD/Heater (Green/Orange) – Charge/Battery low (Orange/Flashing Orange)
<b>Security</b>	– Password Security (Supervisor Password, User Password) – Kensington Lock Slot <b>Optional:</b> – TPM 2.0
<b>Case</b>	– CNC milled Aluminum
<b>Color</b>	– Black – NATO Green
<b>Environmental Specifications</b>	– Operating Temperature: -20°C <sup>4</sup> ~ +60°C <sup>5</sup> – Storage Temperature: -40°C ~ +70°C <b>Optional:</b> – Operating Temperature: -30°C <sup>6</sup> ~ +60°C <sup>5</sup>
<b>Dimensions<sup>7</sup></b>	– 436 x 328 x 52 mm
<b>Weight<sup>7</sup></b>	– Approximately 7.0 kg

Power	
<b>Main Battery<sup>8</sup></b>	– Standard Battery Pack BRWB3B: – Li-Ion 10.8V/5980mAh x 2
<b>Input Power</b>	– Mil 2-pin DC-in – 19V <b>Optional:</b> – 12~32V with BVA & Surge Protector Module

Communications	
<b>LAN</b>	– 10/100/1000 base-T Ethernet – 1 <sup>st</sup> LAN: Intel® I219LM <b>Optional:</b> – 2 <sup>nd</sup> LAN: Intel® I210
<b>Wi-Fi/Bluetooth<sup>9</sup></b>	<b>Optional:</b> – Intel® Dual Band Wireless AC9260 – Wi-Fi Certified: 802.11 a/b/g/n/ac – Bluetooth® 5.0
<b>GNSS</b>	<b>Optional:</b> – Ublox Neo-M8N GPS/GLONASS

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

Accessories	
<b>Low Temperature Battery<sup>3</sup></b>	– Battery Pack BRWB3C: – Li-Ion 10.8V/5000mAh
<b>AC Adapter</b>	– Mil 2-pin DC-in Jack – 200W, 100-240VAC, 50/60Hz
<b>Battery Charger</b>	– Multi Battery Charger MCRW for Battery: – 10.8V/5980mAh Li-Ion BRWB3B – 10.8V/5000mAh Li-Ion BRWB3C

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

<sup>1</sup>Varies from display configurations

<sup>2</sup>Available up to 4 SO-DIMM

<sup>3</sup>User-removable.

<sup>4</sup>Instant Cold Boot via AC Mode.

<sup>5</sup>via AC Mode

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

<sup>7</sup>Varies from configurations and optional accessories.

<sup>8</sup>Hot-swappable with dual battery design.

<sup>9</sup>Default: RS232, BIOS selectable RS422, RS485.

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

<sup>11</sup>Optional Smart Card Reader shall be covered.

<sup>12</sup>Contact your sales representative for more details.



Version: 1.0.9

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