RB14F- Wamee Rugged Laptop Server

Slim, Rugged, Multi-functional Wireless Computing

Experience peak performance and unparalleled resilience with our rugged laptop server. Boasting a massive 17.3" Full HD LCD screen and powered by the formidable Intel® Xeon® E-2176M Processor, this robust workstation thrives in the toughest environments. Its rugged CNC milled aluminum case meets MIL-STD-461G, MIL-STD-810H and IP65 compliance standards, ensuring durability and reliability wherever your mission takes you. Trust our rugged laptop server to deliver the efficiency, durability, and peace of mind you need to excel in the most demanding situations.

Features

- 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-461G. MIL-STD-810H & IP65 compliant

Major Options

- I/O Expansion s with Docklite and DLDS is available
- Bluetooth
- GNSS
- TPM 2.0
- Fischer Connectors

Specifications

MODEL	RB14- FIBREOPTIC

SYSTEM

CPU	Intel® Xeon® E-2176M Processor 12MB Intel® Smart Cache, up to 4.4GHz Intel® Vpro technology
RAM	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
Storage	Std.: 2.5" SATAIII SSD* x 1 *Height: 7mm
Operating System	Microsoft® Windows® 10 Windows Server 2016 Windows server 2019
Chipset	Intel® CM246 Chipset
Graphic Card	Intel® UHD Graphics P630
Display	17.3" FHD (1920 x 1080) LCD Std. 800~1000 nits

I/O INTERFACE

AC/DC Adapter	200W, 19V/10.5A, 100-240VAC, 50/60Hz
Speaker & Microphone	Built in Speaker, Optional Digital Microphone
Ethernet Ports	10/100/1000 base-T Ethernet Std.: 1st GLAN: Intel® I219LM on MB
DC IN Jack	DC in19V
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 GLAN RJ45 x 1 Optional 2nd GLAN RJ45 x 1 USB 3.1 Gen. 2 x 2
Rear	DC-in Conn. (Military 2 pin) x 1 Display Port x 1 – VGA Port x 1 Serial Port DB9 x 2 (Default: COM1~2)* Optional Serial Port DB9 x 2 (Default: COM3~4)* *COM1~4: On Up Board, BIOS selectable (RS232/RS422/RS485)
Bottom	Port x 1* *Signals include: PCI-e x 1, USB2.0 x1, USB3.1 x 1, +VA, +V3.3A, +V5S, +VBata, +USB5V3, GND
Internal	Mini PCIe full-size card * x 2 (On Up Board) *2nd GLAN, one shares the location with M.2 2280 M.2 E key 2230 x 1 (On Up Board, for WiFi/Bluetooth® module) USB 3.1 Gen.1 x 1 USB 2.0 x 1

MECHANICAL AND ENVIRONMENTAL

Enclosure	CNC milled Aluminum Colour: Black or NATO Green
Battery Pack	Removable Battery Pack BRWB3B: Li-Ion 10.8V/5980mAh x 2
Dimensions (HxWxD)	436 x 328 x 52mm
Weight	7kg
Temperature	Operating Temperature: Std. -20°C ~ +60°C Storage Temperature: -40°C ~ +70°C
Certifications	FCC Class B, CE, RoHS Compliant, WEEE, REACH
Durability	IP65, MIL-STD-810H and MIL-STD-461G Certified

MAJOR OPTIONS

Graphics	nVIDIA® GeForce® GTX1050 4GB graphic add-on card (Default: DGPU)
WLAN/Bluetooth	Intel® Dual Band Wireless AC9260 – Wi-Fi Certificated: 802.11 a/b/g/n/ac – Bluetooth® 5.0 – Interface: PCIe (WiFi)/USB (Bluetooth®) – Form Factor: M.2 2230
GNSS	Ublox Neo-M8N GPS/GLONASS (Interface
2nd Glan Card	Intel® I210 GLAN Card – Form Factor: mini PCIe full-size
Memory	8GB/16GB DDR4-2400 8GB/16GB DDR4-2400, ECC
Storage	2.5" SATAIII SSD x 3
TPM 2.0	On Up Board *Infineon SLB9665XT2.0 FW5.61
Com3/4	Available
BVA & Surge Protector Module	DC-in 12~32V with BVA & Surge Protector
Smart Card Reader	Available
Wide Temp. -30°C ~ +60°C	Available (with LCD heater) *Heater and sensor placed in LCD **Battery 10.8V/5000mAh BRWB3C (Low Temp.)
Certifications	MIL-STD-461G (Ground Nave and Ground Army)
Battery Charger	Multi Battery Charger MCRW for Battery: 10.8V/5980m Ah Li-Ion BRWB3B 10.8V/5980m Ah Li-Ion BRWB3C

* Specifications subject to change without notice.

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