# LIZARD® RB14

# FULL-RUGGED
# 17.3" MOBILE SERVER

The Lizard® server series with its powerful platform is a responsive and highly reliable mobile server in an extremely compact laptop format. At present, there is no ruggedized notebook that combines this performance and functional diversity in an extremely compact design that offers a wide range of options for customer-specific modifications and solutions. roda follows its customization philosophy and offers the integration of different MIL cards and special interface cards via the reserved interfaces.

The outstanding performance features such as a 17.3" LCD size, the Intel® Xeon® processor of the E-Series, a DDR4 memory of up to 64 GB and four SSD hard disks that can be configured in different RAID settings, provide ideal IT-agility, flexibility and scalability.

+ **17.3 INCH LCD SIZE**

+ Intel® Xeon® E-2176M processor

+ Up to 64 GB DDR4 RAM

+ Full-HD LCD (1920x1080 Pixel)

+ Windows 10/11 & Server 2016 support

+ **OPTIONAL:** GPU NVIDIA® Quadro T1000

+ IP65

+ MIL-STD-810G

+ **OPTIONAL:** MIL-STD-461G Ground Navy

+ **OPTIONAL:** MIL-STD-461G Ground Army

+ **OPTIONAL:** SDIP 27 Level B (ER)

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### RUGGED IT & ELECTRONICS

# RB14



## + DISPLAY

LCD 17.3" Full HD (1920x1080)
LED backlight
Sunlight readable

## + CPU

Intel® Xeon® E-2176M processor,
12 MB Intel® Smart cache, up to 4.40 GHz

## + CHIPSET

Intel® Coffee Lake platform
Intel® CM246 chipset

## + GRAPHICS

Intel® HD graphics P630
+ **OPTIONAL:**
NVIDIA® Quadro T1000 MXM graphics

## + MEMORY

DDR4 2133/2666 MHz, nonECC/ECC
up to 64 GB (4x SO-DIMM slots)

## + STORAGE

M.2 NVME SSD (1x slot)
Exchangeable 2.5" SATA III SSD (4x slots)
+ **OPTIONAL:** DVD±RW drive
   (only 2x SSD and 1x battery possible)

## + INTERFACES

4x USB3.1 (1x fast charge)
1x GBit LAN (RJ45)
3x Audio (3.5 mm jack)
1x DisplayPort
1x VGA
2x COM (DB9)
1x MIL DC-In (2-Pin)
1x docking connector (POGO-pin)
+ **OPTIONAL:**
1x DockUnder docking solution

## + CONNECTIVITY [WLAN / BT / GPS]

+ **OPTIONAL:**
Intel® Dual Band Wireless AC9260
• WLAN 802.11 a/b/g/n/ac
• Bluetooth 5.0
Ublox Neo-M8N GPS/GLONASS

## + POWER SUPPLY

2x Li-ion battery, 11.1 V, 6900 mAh
AC-adaptor 200 W, 100-240 V, 50-60 Hz
+ **OPTIONAL:**
Integrated vehicle adaptor 12-32 V with
surge protection

## + SECURITY

TPM 2.0
+ **OPTIONAL:** Smart Card Reader

## + OPERATING SYSTEM

Windows 10 Pro
Windows 11 Pro
Windows Server 2016

## + DIMENSIONS [W×H×D]

436 x 52 x 328 mm

## + WEIGHT

6.80 kg

## + PROTECTION CLASS

IP65

## + ACCESSORIES

• rugged IP65 AC-adaptor AC150
• rugged DC/DC-converter ROD-Modular
• External battery charger
• External DVD(RW)-drive
• Adapter cables for MIL-interfaces
• Transportation bag
• Stormcase (rugged transportation case)
• Front handle
• Mounting plate for vehicle
• ShockMount
• External Batterie Charger

| MIL-STD-810G | OPERATING | STORAGE |
|---|---|---|
| TEMPERATURE | -20 °C to +60 °C **OPTIONAL:** -30 °C heater | -40 °C to +70 °C |
| TEMPERATURE SHOCK | N/A | -20 °C to +60 °C |
| HUMIDITY | N/A | 95 % |

| EMI | OPTIONAL | OPTIONAL |
|---|---|---|
| MIL-STD-461G | Ground Navy | Ground Army |

| TEMPEST | OPTIONAL |
|---|---|
| | SDIP 27 Level B (ER) |



CUSTOMIZATION:
Need anything not included in the data sheet? roda products are designed to enable customization to your specific program requirements. Please contact your roda sales team member to find the best solution for your requirements.

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