

# REGIS TB-7393-ABB

Rugged AI Box PC



**ABB Robotics**

## Key Highlights

- Intel i7-14700 20-Core CPU
- NVIDIA RTX 2000 Ada Workstation GPU
- 2 x 16GB Wide Temp DDR5 SO-DIMM (32GB Total)
- 1 x 1TB Wide Temp SATA SSD
- Ubuntu 22.04 Operating System
- Internal PoE Module for 4 x 2.5GbE PoE LAN
- External AC-to-DC Power Supply

[VIEW ONLINE](#)

Regis TB-7393-ABB is feature-packed and beautifully designed inside and out. With the sheer amount of RAM, versatile I/O, and graphics card support included, the sky is the limit with AI and industrial applications. This configuration is designed for compatibility with [ABB Eyemotion](#) software. **Regis is part of the [Regiment Series](#) product family.**

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# Technical Specifications

## Primary Components

Processor Family	Intel Core I series 14th Generation Raptor Lake
Processor Model	Core i7-14700
Memory Type	32GB (2x 16GB) Wide Temp DDR5 SO-DIMM
Storage Type	1x 1TB Wide Temp 2.5" SATA SSD

## Power

Input Voltage Range	9-48V DC
Standard Power Adapter	300W (24V/12.5A) External Power Supply Adapter

## Operating Systems

Linux	Linux Ubuntu 22.04
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## Expansion Slots

Internal M.2	1x M.2 2230 Key E (for WiFi expansion option), 1x M.2 2260/2242 B-Key (USB2.0 / PCIeX1 / SATAIII), 1x M.2 2280/2260/2242 M-Key (PCIe x4 NVMe, SATAIII)
Expansion Module support	Internal PoE+ Expansion (For RJ45 Ports Already Included, Does not take up Expansion Bay Slot)
Video Card Support	NVIDIA RTX 2000 ADA

## Enclosure

Material	Aluminum
Color	Black & Blue
Led Indicator Light	1x DIO, 1x Power, 1x Storage, 4x LAN
Control Buttons	Power Button
Mounting Options	Wall Mount

## Certification

Certifications	CE, FCC
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*Specifications subject to change.*

## External I/O Ports

USB	8x USB 3.2 Gen 2
Serial / Com	3x COM
Serial Protocol Detail	3x RS232/RS422/RS485
Ethernet / LAN	4x RJ45 2.5Gbe LAN
Other Ports	1x 2-Pin DC Power Switch Connector, 1x 2-PIN Power Reset Connector, 1x 8-bit GPIO (in DB9 Connector)
Audio Ports	1x Audio Line-Out, 1x Mic-In
Power Input Port	3-Pin DC-In (Phoenix Type)

## Compatibility

Security Hardware	TPM 2.0
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## Thermal & Environmental

Operating Temperature	-40°C - 50°C (-40°F to 122°F (with 0.7m/s Air Flow and Wide Temperature Memory/Storage))
Storage Temperature	-40°C - 85°C (-40°F - 185°F)
Cooling Solution	CPU - Passively Cooled with Heatsink, PCIe Expansion Area - Actively Cooled with 2x 40x40x20mm Fans
Storage Humidity	10%-95%, non-condensing

## Peripherals & Wireless Connectivity

WiFi	Optional WiFi 6E
Bluetooth	Optional Bluetooth 5.2
Sim Card	2x SIM Card Slot

## Weight / Dimensions

Weight	7.7 kg (17.0 lbs)
Dimensions	268 x 246 x 128 mm (10.6 x 9.7 x 5.0 in)

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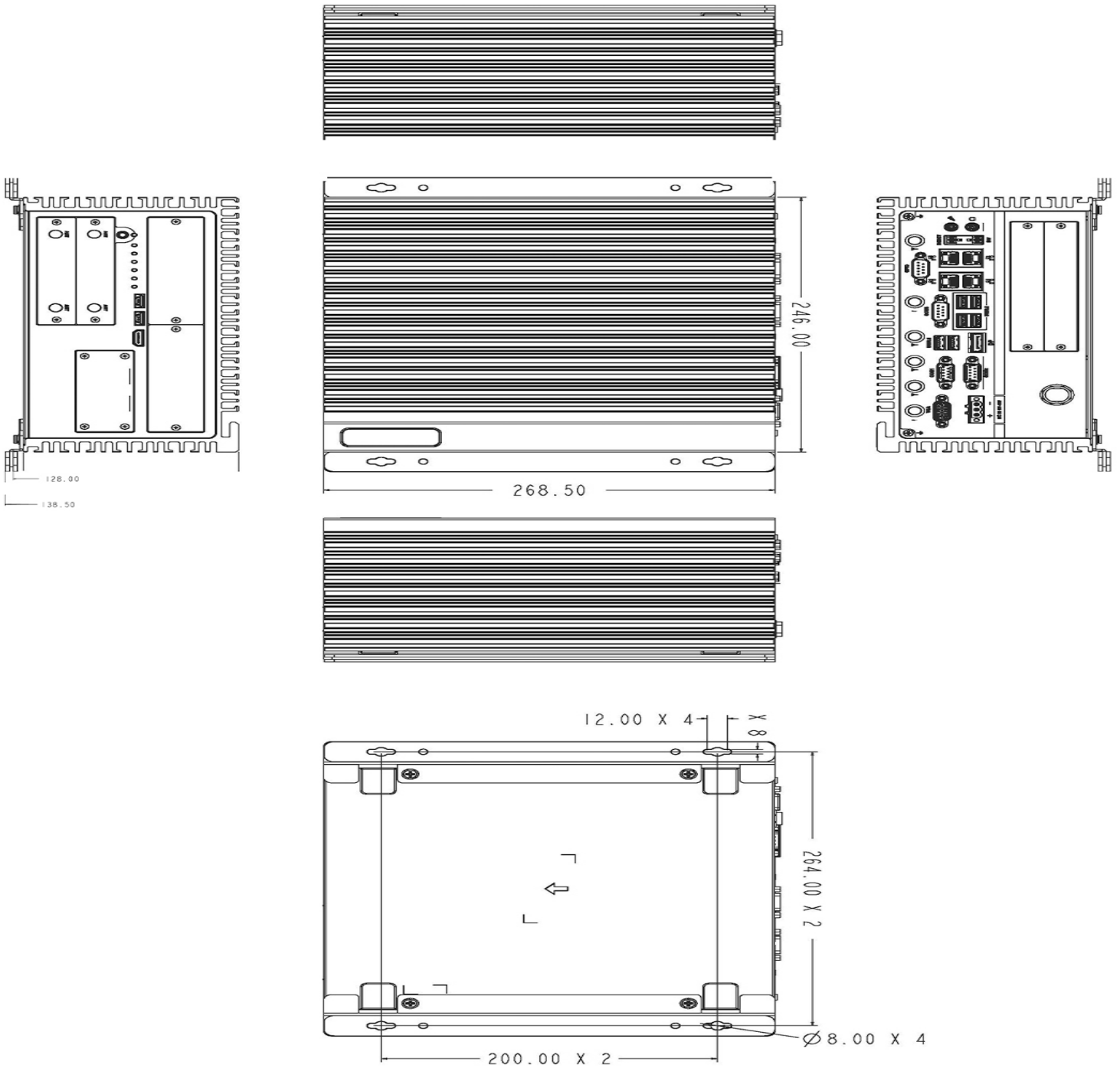
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## 2D Drawing



### USA

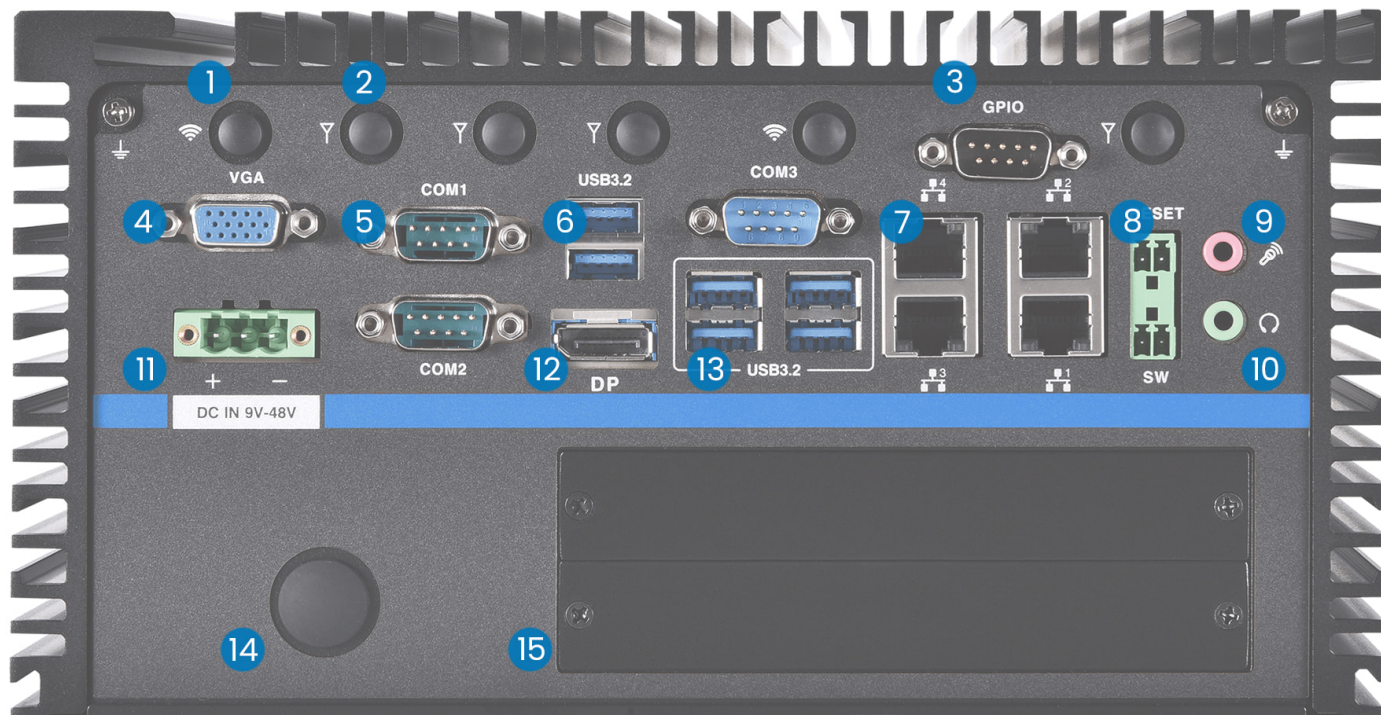
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- |                                     |                          |
|-------------------------------------|--------------------------|
| 1. 2x Wi-Fi Antenna Holes           | 9. Mic In                |
| 2. 4x Cellular Antenna Holes        | 10. Line Out             |
| 3. GPIO                             | 11. 3 Pin Terminal Block |
| 4. VGA                              | 12. DisplayPort          |
| 5. 3x COM                           | 13. 4x USB 3.2           |
| 6. 2x USB 3.2                       | 14. GPU Power Supply     |
| 7. 4x LAN                           | 15. PCIe Slot            |
| 8. Power Switch and Reset Connector |                          |

**USA**

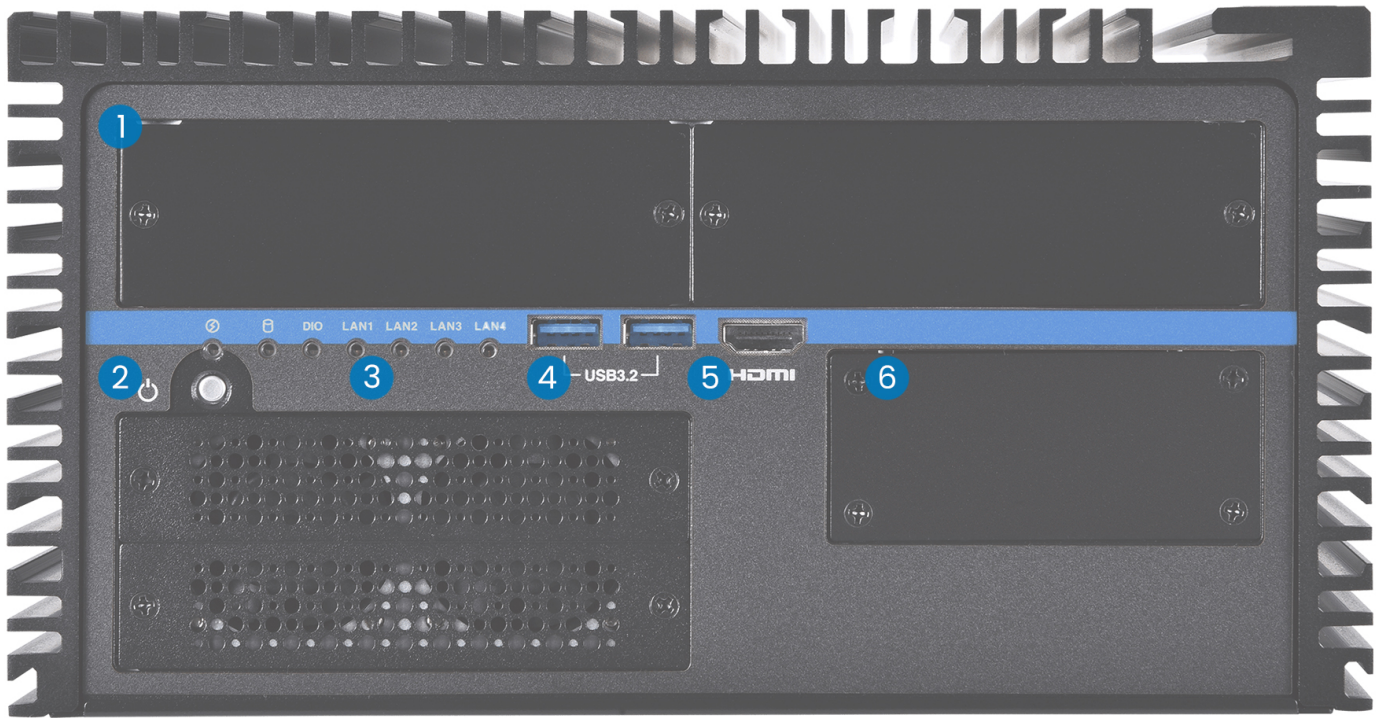
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1. 2x I/O Expansion Bays
2. Power Button
3. Indicator Lights
4. 2x USB 3.2
5. HDMI
6. 2.5" Bay

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