TEGUAR

REGIS TB-7393

Rugged AI PC - Powered by 65W 14th Gen



Key Highlights

- Multiple I/O Expansion Options, Including up to 14 LAN or PoE
- Supports Expansion Cards and GPUs up to Nvidia 4000 Pro SFF
- Dual Channel DDR5 Memory up to 96GB
- 9-48V Wide Voltage Power Input
- Custom I/O Flexibility

VIEW ONLINE

Regis TB-7393 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. Designed for edge AI workloads and rugged environments, Regis boasts a PCIe expansion slot for third party graphic cards, as well as I/O expansion for added LAN, CANBus, GPIO or COM. Regis is also an amazing Ignition®-ready device. Equip PoE expansion modules that can connect to IP cameras, small edge boxes, and other devices to monitor and control industrial machinery. Even the thermostat in an industrial facility can handle data aggregation from machine vision through TB-7393. **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 i3-14100, Core i5-14400, Core i7-14700, Core i9-14900
Memory Type	2x DDR5 SO-DIMM
Memory Support	Up to 96GB
Storage Type	1x M.2 SSD Slot (2260/2242) for SATA, 1x M.2 SSD Slot (2280/2260/2242) for NVMe or SATA, 1x mSATA SSD Slot, 2x 2.5" SATA Drive Bay for SSD/HDD

Power

Input Voltage Range	9-48V DC
Standard Power Adapter	180W (12V/15A) GPU Power Supply (Only Required for GPUs needing more than 75W of Power), 300W (24V/12..5A) External Power Supply

Operating Systems

Windows	Windows 10 IoT, Windows 11 IoT, Windows 11 Pro
Linux	Linux Ubuntu 22.04 or above (Contact your sales rep for more information)

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)

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 (Optional PoE Module Available)
Video Outputs	1x DisplayPort 1.4, 1x HDMI 1.4, 1x VGA
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

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	2x Isolated CANBus + 1x Isolated GPIO (DB9) Expansion, 4x DB9 COM (RS232/422/485) + 1x Isolated GPIO (DB9) Expansion, 4x M12 LAN Expansion, 4x M12 LAN Expansion w/ PoE+, 4x RJ45 LAN Expansion, 4x RJ45 LAN Expansion w/ PoE+, Internal PoE+ Expansion (For RJ45 Ports Already Included, Does not take up Expansion Bay Slot)
Video Card Support	Supports Cards up to 75W or 180W with External PSU (Max Dimensions - 221 x 145 x 43 mm)

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

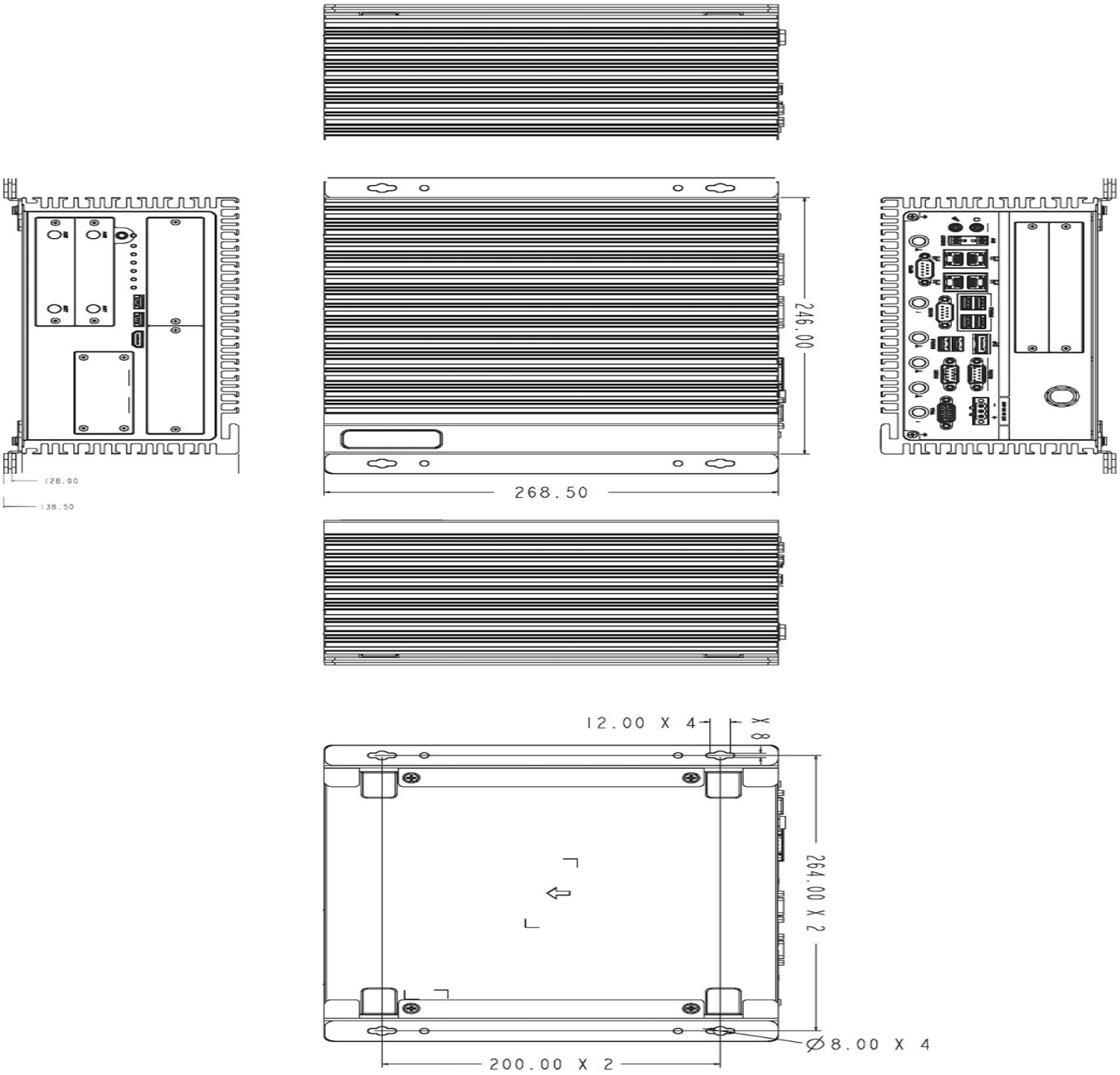
Certifications	CE, FCC, UL 62368

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2D Drawing

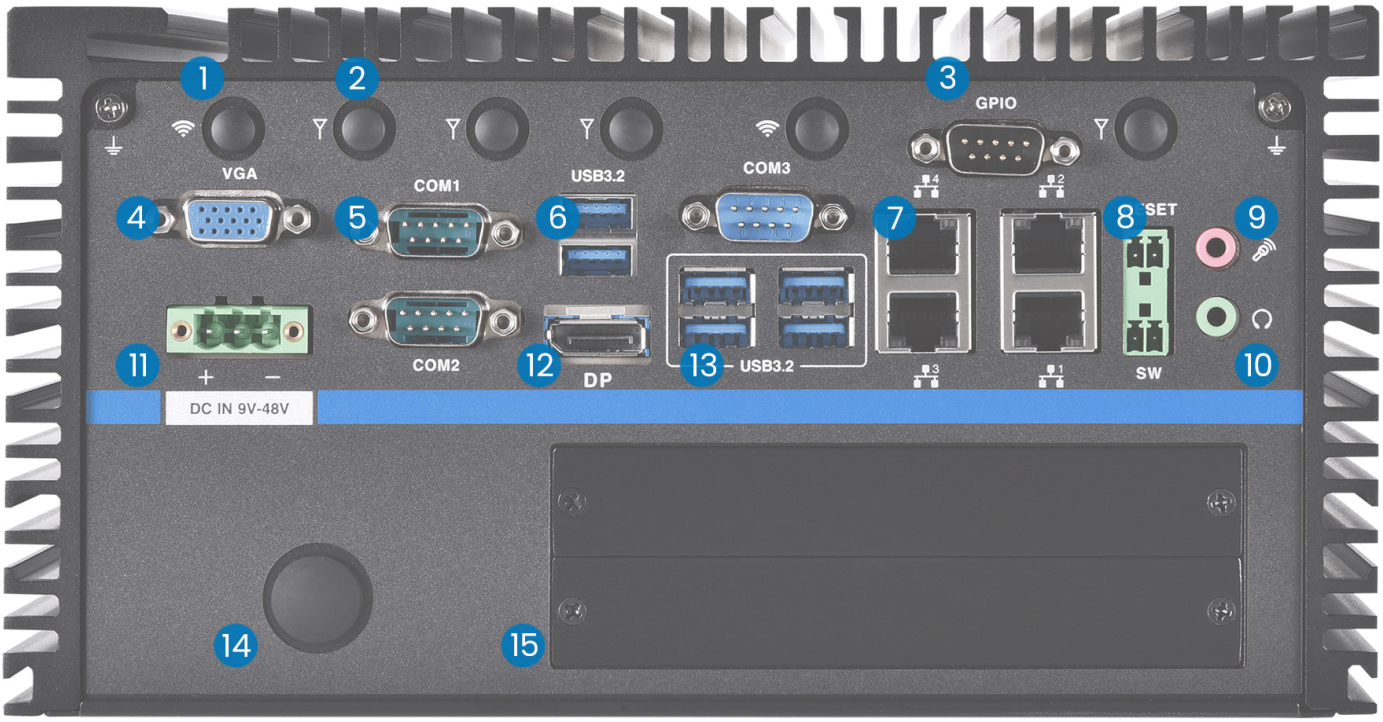


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I/O

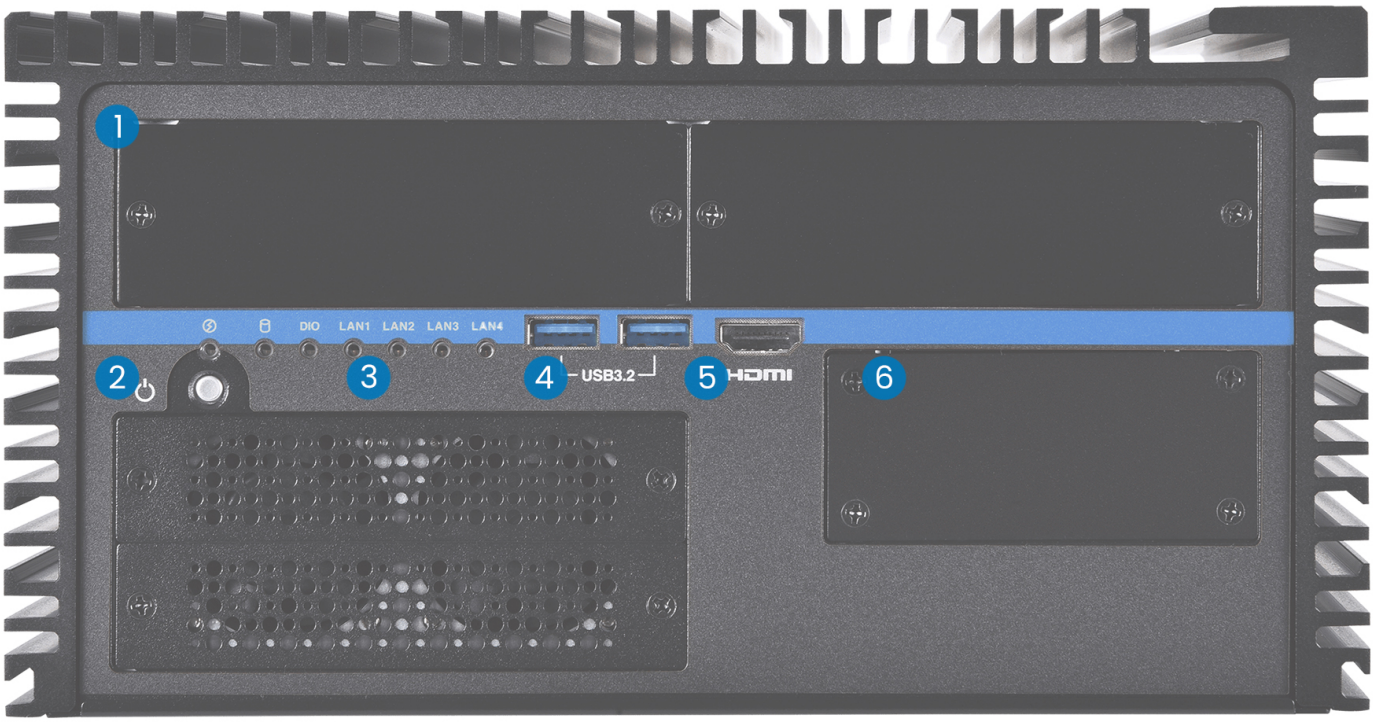


1. 2x Wi-Fi Antenna Holes
2. 4x Cellular Antenna Holes
3. GPIO
4. VGA
5. 3x COM
6. 2x USB 3.2
7. 4x LAN
8. Power Switch and Reset Connector
9. Mic In
10. Line Out
11. 3 Pin Terminal Block
12. DisplayPort
13. 4x USB 3.2
14. GPU Power Supply
15. PCIe Slot

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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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