

# Regis TB-7393

Rugged AI Box PC

## REGIMENT SERIES



### Key Highlights

- 14th Gen Intel Desktop CPU
- Supports Graphics Cards up to NVIDIA RTX A2000/RTX 4060
- Dual Channel DDR5 Memory
- 9-48 Wide Voltage Power Input
- 2x Expansion Bay and 1x PoE Expansion
- Custom I/O Versatility

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.

### I/O Views



## Technical Specifications

Primary Components	
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
Dimensions / Weight	
Weight	7.7 kg (17.0 lbs)
Dimensions	268 x 246 x 128 mm (10.6 x 9.7 x 5.0 in)
Regulation	
Security Hardware	TPM 2.0
Certifications	CE, FCC
Thermal and 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)
Humidity Range	10%~95%, Non-Condensing
Cooling Solution	CPU - Passively Cooled with Heatsink PCIe Expansion Area - Actively Cooled with 2x 40x40x20mm Fans
External I/O ports	
USB	8x USB 3.2 Gen 2
Video Outputs	1x DisplayPort 1.4, 1x HDMI 1.4, 1x VGA
LAN	4x RJ45 2.5Gbe LAN
Audio Ports	1x Audio Line-Out, 1x Mic-In 2.0
Serial	3x COM (RS232/RS422/RS485)
Power Input Port	3-Pin DC-In (Phoenix Type)
Power	
Input Voltage Range	9-48V DC
Power Supply	180W (12V/15A) GPU Power Supply (Only Required for GPUs needing more than 75W of Power), 300W (24V/12.5A) External Power Supply

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
Operating Systems	
Windows	Windows 10 IoT, Windows 11 IoT, Windows 11 Pro
Linux	Linux Ubuntu 22.04 or above
Peripherals & Wireless Connectivity	
Wi-Fi	Optional Wi-Fi 6E
Bluetooth	Optional Bluetooth 5.2
SIM Card	2x SIM Card Slot
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) 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+
Video Card Support	Supports Cards up to 75W or 180W with External PSU (Max Dimensions - 221 x 145 x 43 mm)

Specifications subject to change without notice.

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