

Optio TB-7293

Compact Core Ultra PC with 8 USB

REGIMENT SERIES

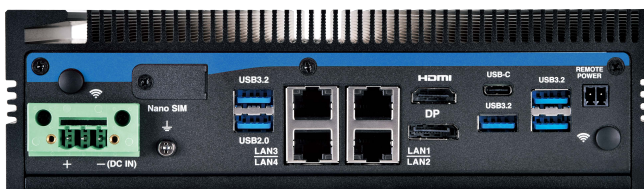


Key Highlights

- AI-Enabled Core Ultra CPU
- Wide Operating Temperature
- Wide Voltage DC Input
- Cellular Capability
- Video Out over USB-C
- Full-feature I/O with 8 USB

The I/O-rich Optio TB-7293 optimizes peripheral usage to excel both at the heart of your systems or on the edge of them. Three video ports support up to four displays while a total of eight USB-A enable peripheral devices such as cameras. This small form factor PC handles our widest temperature range yet—negative 40°C to 60°C—and passively cools its CPU with robust internal heat sinks. Optio isn't just rugged, however; the Core Ultra processor with its built-in NPU empowers advanced AI control solutions.

I/O Views



Technical Specifications

Primary Components	
Processor Model	Core Ultra 5 125U, Core Ultra 7 155U
Memory Type	1x DDR5 SO-DIMM
Memory Support	Up to 48GB
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
Thermal and Environmental	
Operating Temperature	-40°C - 60°C (-40°F to 140°F with Wide Temperature RAM/Storage)
Storage Temperature	-40°C - 85°C (-40°F - 185°F)
Humidity Range	10%~95%, Non-Condensing
Cooling Solution	Passive - Fanless with Heatsink
External I/O ports	
USB	1x USB 3.2 Type-C (DP 1.4A) 3x USB 2.0 4x USB 3.2 Gen 2
Video Outputs	1x DisplayPort 1.2 1x DisplayPort via USB-C Alt Mode 1x HDMI 1.4
LAN	Optional 2x RJ45 Gbe LAN Expansion 4x RJ45 2.5Gbe LAN (Optional PoE Module Available)
Audio Ports	1x Audio Line-Out
COM	1x RS232/422/485 3x RS232
Power Input Port	3-Pin DC-In (Phoenix Type)
Other Ports	1x 2-Pin DC Power Switch Connector 1x 8-bit GPIO (in DB9 Connector)
Power	
Input Voltage Range	8-26V DC
Power Supply	72W (24V/3A) External Power Supply 120W (24V/5A) External Power Supply (Only Required if PoE Module is Installed)

Enclosure	
Material	Aluminum
Color	Black & Blue
LED Indicator Light	Power, Storage
Control Buttons	Power Button
Mounting Options	Wall Mount
Regulation	
Security Hardware	TPM 2.0
Certifications	CE, FCC
Operating Systems	
Windows	Windows 10 IoT, Windows 11 IoT, Windows 11 Pro
Linux	Linux Ubuntu 24.04 or above
Peripherals & Wireless Connectivity	
Wi-Fi	Optional Wi-Fi 6E
Bluetooth	Optional Bluetooth 5.3
SIM Card	1x Nano SIM Card Slot
Expansion Slots	
Internal M.2	1x M-Key 2280 (PCIe4.0 X4, SATAIII) 1x M.2 2230 Key E (for WiFi expansion option) 1x M.2 B-Key 2242/3042/3052 (USB2.0/PCIeX1/SATAIII)
Expansion Module Support	Internal PoE+ Expansion (for RJ45 ports already onboard) 2x RJ45 Gbe LAN Expansion
Dimensions / Weight	
Weight	2.1 kg (4.6 lbs)
Dimensions	210 x 150 x 63 mm (8.3 x 5.9 x 2.5 in)

Specifications subject to change without notice.

USA

International HQ Teguar
Corporation 2920
Whitehall Park Drive
Charlotte, NC 28273
+1 704-960-1761
sales@teguar.com

EUROPE

Teguar Europe AG
Churerstrasse 54,
CH-8808 Pfäffikon,
Switzerland
+41 41 561 53 11
sales.EU@teguar.com

ASIA

Teguar Taiwan Ltd.
Rm. A, 28F-12., No.99, Sec. 1,
Xintai 5th Rd., Xizhi Dist.,
New Taipei City 221, Taiwan
(R.O.C.) +886 2 7751 5319
sales@teguar.com.tw

