TEGUAR

HALCYON TP-7310-22

21.5" High Performance GPU Panel PC

Key Highlights

- Raptor Lake Processor
- DDR5 High Speed Memory and Two Slots for Dual M.2 Storage
- PCIe x16 Slot for wide I/O Expansion or Graphics Card
- Built-in Power Supply
- Windows 11 Ready
- 2.5 Gbe LAN for High-Speed Edge Endpoint
- Need a different screen size? Call for Halcyon's display options.

VIEW ONLINE

The TP-7310-22 is a blazing fast performance panel PC with a bright HD display in PCAP or resistive touch options. What sets this series apart is its near-limitless PCIe expansion board, which offers robust support for the highest-end GPUs, NPUs, and added I/Os. The powerful 21.5" Halcyon panel computer is designed to be customized for any specified needs. Other standout features include the latest high-speed DDR5 RAM as well as an integrated power supply, eliminating the need for any bulky box adapters weighing down the power cable. The strong processing of the Intel® 14th Gen CPU coupled with its customizable versatility makes Halcyon a powerful all-in-one solution.

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Technical Specifications

Primary Components

Processor Family	Intel Core I series 14th Generation Raptor Lake
Processor Model	Core i5-14400
Processor Speed	4x Efficient Cores up to 3.5GHz, up to 4.7 GHz, 6x Performance Cores @ 2.5 GHz, up to 4.7 GHz Turbo
Memory Type	2x DDR5 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB, 64GB, 96GB
Storage Type	1x M.2 2242/2280 NVME SSD Slot, 1x M.2 2242 SATA/NVMe SSD Slot
Storage Support	M.2: 128GB-1TB

Display

Screen Size	21.5"
Screen Ratio	16:09
Brightness	250 nits

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch), Resistive
Hardness	Resistive: 3H, P-cap: 7H

External I/O Ports

USB	2x USB 2.0, 4x USB 3.2
Serial / Com	3x COM
Serial Protocol Detail	COM1 & COM2 - RS-232/422/485, COM3 - RS-232
Ethernet / LAN	1x RJ45 2.5 GbE LAN, 1x RJ45 GbE LAN

Specifications subject to change.

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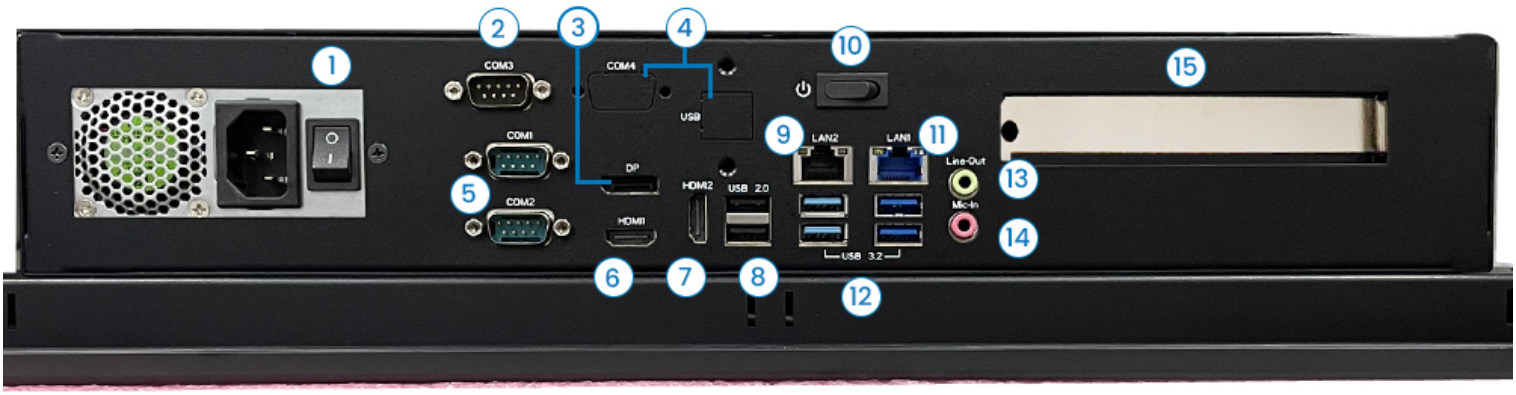
I/O Diagram



1. Power Supply Switch
2. RS-232 COM
3. DisplayPort
4. Customizable Expansion
5. RS-232/422/485 COM
6. HDMI 2.0b
7. HDMI 1.4b
8. 2x USB 2.0
9. 1.0 Gbps LAN
10. Unit Power Switch
11. 2.5 Gbps LAN
12. 4x USB 3.2
13. Line-out
14. Mic-in
15. PCIe x16 Expansion Slot

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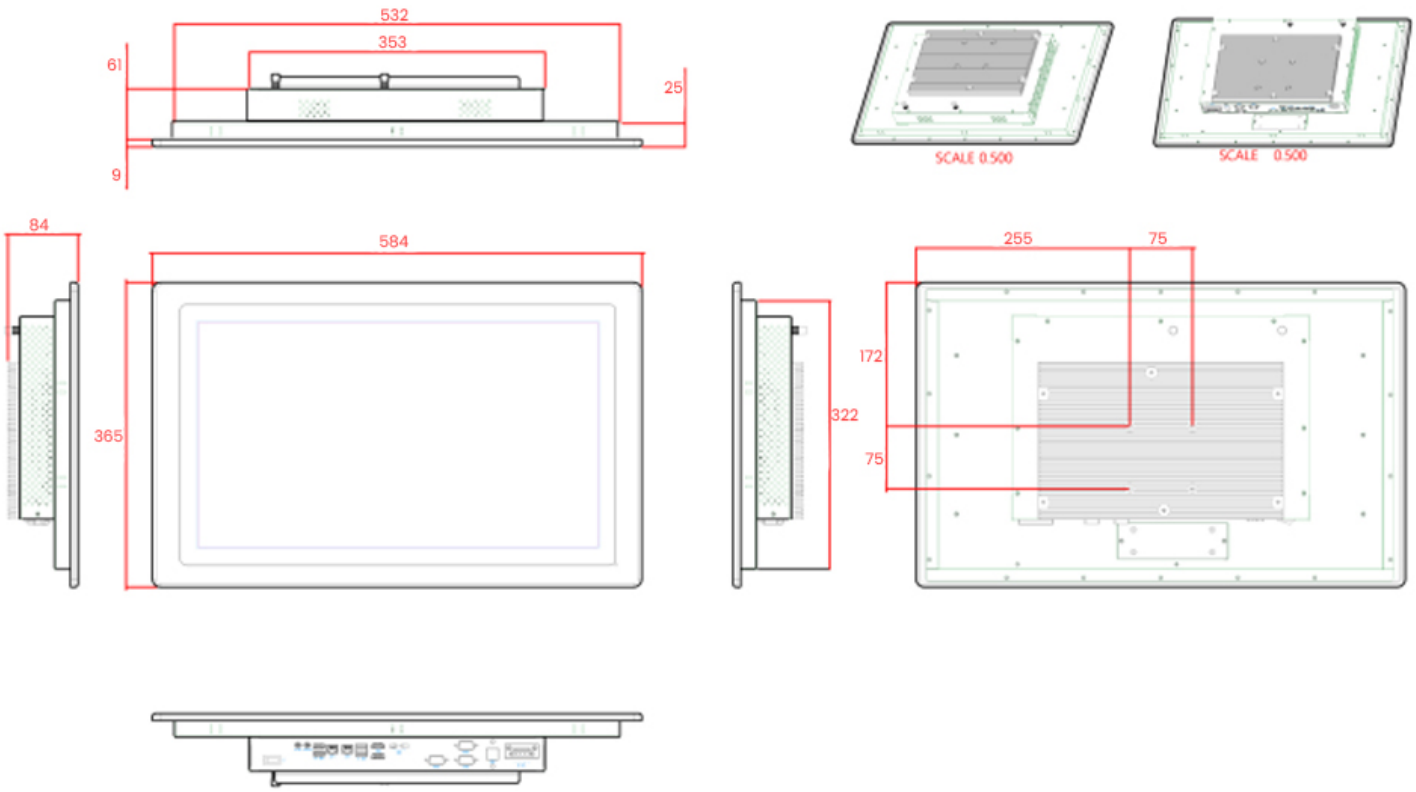
2D Drawing



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