



Features

- Teguar’s [best-selling fanless Panel PC](#) with familiar rugged form factor?
- 12th Gen Alder Lake-N: N97 or x7425e, N97-5861, x7425e-5406
- 12.1” XGA display with PCAP or resistive touch and high brightness option
- Efficient computation for more value than other Panel PCs?
- Panel Mounting, uses same cutout as previous generation panels (see TP-2945, TP-3445, TP-4845) for ease of transition across 4 generations

Technical Specifications

Primary Components

Processor Family	Intel Celeron or Core I series 12th Generation Alder Lake N
Processor Speed	Up to 3.4 Ghz, x7425E, Up to 3.6 GHz, N97
Memory Type	1x DDR5 SO-DIMM
Memory Support	32GB
Storage Type	1x M.2 2280 SSD slot, SATA3 or NVME
Storage Support	M.2: 256GB-1TB

Display

Screen Size	12.1"
Screen Resolution	1024 x 768 (XGA)
Screen Ratio	16:09
Brightness	500 nits, Optional 1000 nit High Brightness

External I/O Ports

USB	2x USB 2.0, 2x USB 2.0 (Optional), 2x USB 3.2 Gen 1
Serial / Com	1x COM, 2x COM (Optional)
Serial Protocol Detail	1x RS-232/422/485 (configured in BIOS), RS-232 default
Ethernet / LAN	2x RJ45 2.5 GbE LAN

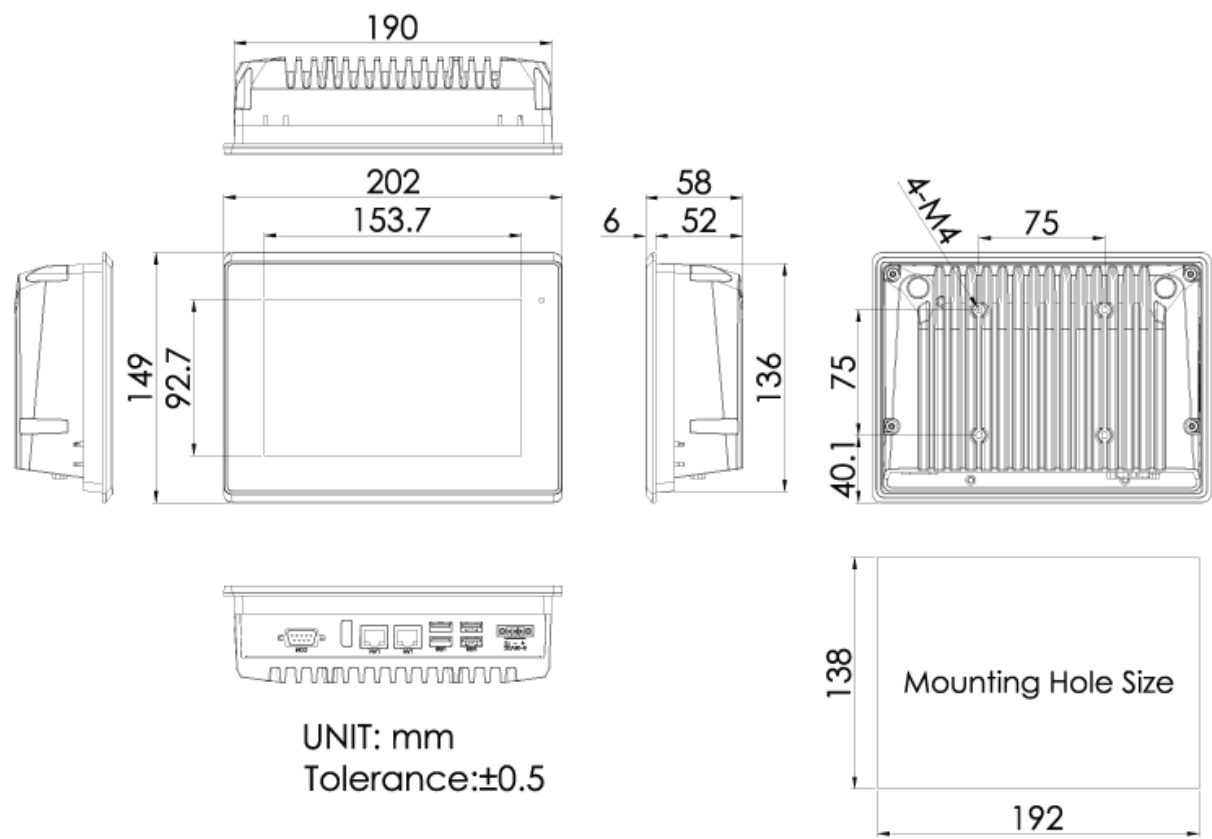
Enclosure

Material	Aluminum
IP Rating	IP66 Front Bezel
Color	Gray
Led Indicator Light	Power
Mounting Options	Panel Mount, VESA 100 Mount

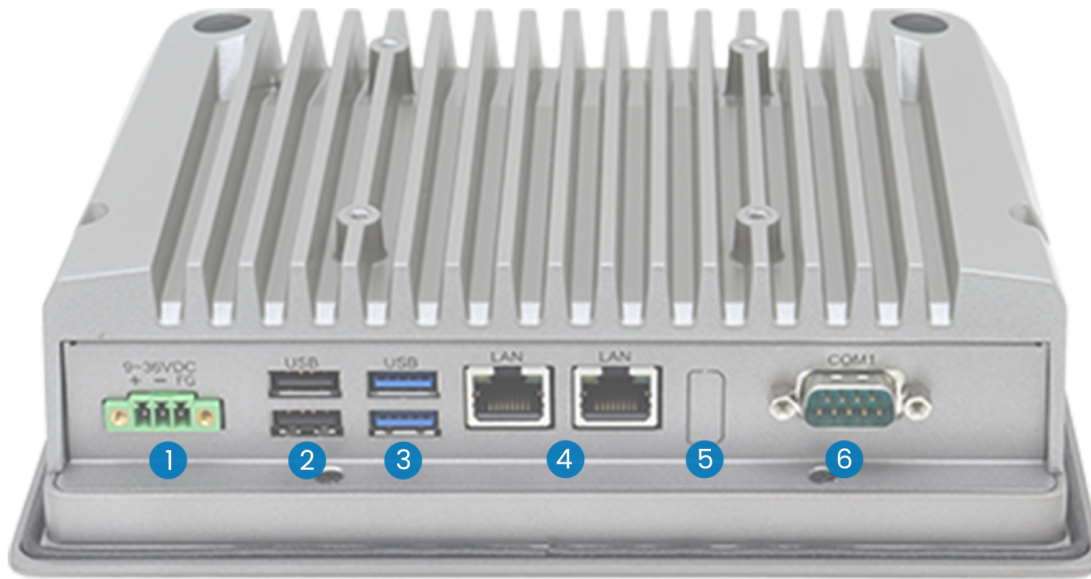
Peripherals & Wireless Connectivity

WiFi	Optional 802.11 a/b/g/n/ac/ax Wi-Fi 6
Bluetooth	Optional Bluetooth 5.3

2D Drawing



IO Diagram



1. DC Power Input
2. 2x USB 2.0
3. 2x USB 3.2
4. 2x 2.5GbE LAN
5. HDMI/DisplayPort
6. DB9 Type COM

All specifications are subject to change without notice.