



Features

- 12th Generation Alder Lake CPU
- Windows 11
- Fanless with wide operating temperature range
- Multitude of screen sizes (compare to TP-5645)
- Two slots of DDR4 RAM

Technical Specifications

Primary Components

Processor Family	Intel Core I series 12th Generation Alder Lake
Processor Model	Core i3-1215U
Processor Speed	2x Performance Cores @ 4.4 GHz, 4x Efficient Cores @ 3.3 GHz, Up to 4.4 GHz
Memory Type	2x DDR4 SO-DIMM
Memory Support	4GB, 16GB, 32GB, 64GB
Storage Type	1x M.2 2280 NVME SSD slot
Storage Support	M.2: 256GB-1TB

Display

Screen Size	12.1"
Screen Resolution	1280 x 800 (WXGA)
Screen Ratio	16:9
Brightness	600 nits, Optional 1000 nit High Brightness

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch), Resistive
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External I/O Ports

USB	2x USB 2.0, 2x USB 3.0
Serial / Com	3x COM
Serial Protocol Detail	COM1 & COM2 RS-232/422/485 (BIOS select, RS-232 default), COM3 RS-232
Ethernet / LAN	2x RJ45 GbE LAN
Power Input Port	3-Pin DC-In (Phoenix Type)

Power

Input Voltage Range	9-36V DC
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Operating Systems

Windows Windows 10 IoT, Windows 10 Pro, Windows 11 IoT, Windows 11 Pro

Compatibility

Security Hardware TPM 2.0

Expansion Slots

Internal M.2 1x M.2 2230 Key E (for WiFi expansion option)

Thermal & Environmental

Operating Temperature -20°C - 60°C (-4°F – 140°F)
Storage Temperature -30°C - 70°C (-22°F – 158°F)
Cooling Solution Passive – Fanless with Heatsink
Humidity Range 10% – 95% Non-condensing

Enclosure

Material Aluminum front bezel, Aluminum Heatsink and SECC Steel Chassis
IP Rating IP66 Front Bezel
Color Silver
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

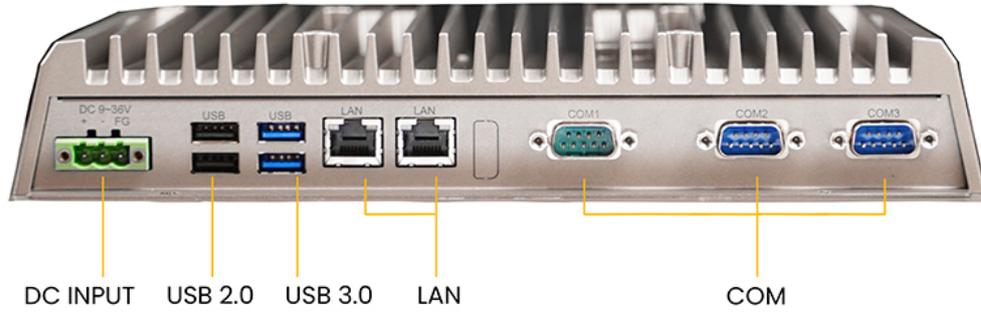
Weight / Dimensions

Dimensions 328 x 77 x 227 mm (12.9 x 3.0 x 8.9 in)

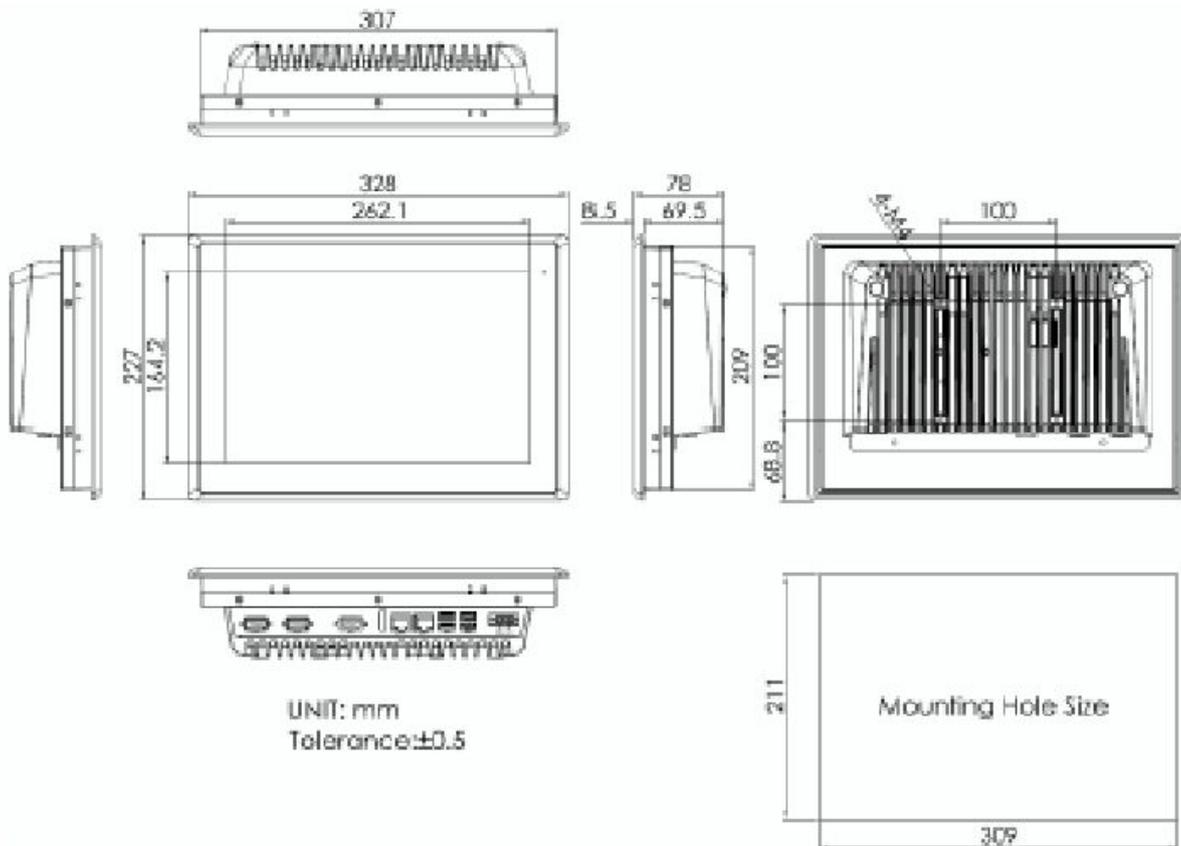
Warranty

Warranty Up to 5 Years

I/O Diagram Images



Tech Diagram Images



All specifications are subject to change without notice.