



Features

- 21.5” Resistive or PCAP Touchscreen options
- 12th Gen Intel Core i5 10-Core CPU
- IP66 Rated Front Bezel
- Fanless Cooling
- Dual Storage Options – 2.5” SATA and M.2

Technical Specifications

Primary Components

Processor Family	Intel Core I series 12th Generation Alder Lake
Processor Model	Core i5-1245UE
Processor Speed	Up to 4.4 GHz
Memory Type	2x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB, 64GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD, 1x M.2 NVME SSD Slot (2242/2262/2280)
Storage Support	128GB-1TB

Display

Screen Size	21.5
Screen Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	250 nits

Touch Screen

Touch Screen	Projected Capacitive, Resistive
Hardness	Resistive: 3H, P-cap: 7H

External I/O Ports

USB	2x USB 2.0, 2x USB 3.2, 2x USB 3.2 Type C
Serial / Com	3x COM
Serial Protocol Detail	2x RS-232/422/485, 1x RS-232
Ethernet / LAN	2x RJ45 2.5 GbE LAN
Video Outputs	2x Display Port 1.4a via USB-C, 2x HDMI 2.0b
Audio Ports	2x 3.5mm Audio Line-Out/Mic-In
Power Input Port	4-Pin DC-In (Phoenix Type Terminal Block)

Power

Input Voltage Range	12-28V DC
Standard Power Adapter	External, 100 watts, universal 100 ~240V AC in, 19V DC out, 5.26A (PSU with PSE)

Operating Systems

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

Compatibility

Security Hardware	TPM 2.0
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Expansion Slots

Internal M.2	1x M.2 2230 Key E (for WiFi expansion option), 1x M.2 3042/3052 Key B (For 4G/5G Cellular expansion option), 1x M.2 for NVME SSD Support
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Thermal & Environmental

Operating Temperature	0°C - 40°C (32°F – 104°F)
Storage Temperature	-20°C - 60°C (-4°F – 140°F)
Cooling Solution	Passive – Fanless
Humidity Range	10% – 90% Non-condensing

Enclosure

Material	Aluminum front bezel and SECC Steel Chassis
IP Rating	IP66 Front Bezel
Color	Black
Control Buttons	Power Switch
Mounting Options	Panel Mount, VESA 75 Mount

Peripherals & Wireless Connectivity

WiFi	Optional WiFi 6 (AX)
Bluetooth	Optional Bluetooth 5.3
Sim Card	1x SIM Card Slot

Weight / Dimensions

Weight	9.8 kg (21.6 lbs)
Dimensions	584 x 364 x 83.6 mm (23.0 x 14.3 x 3.3 in)

Certification

Certifications

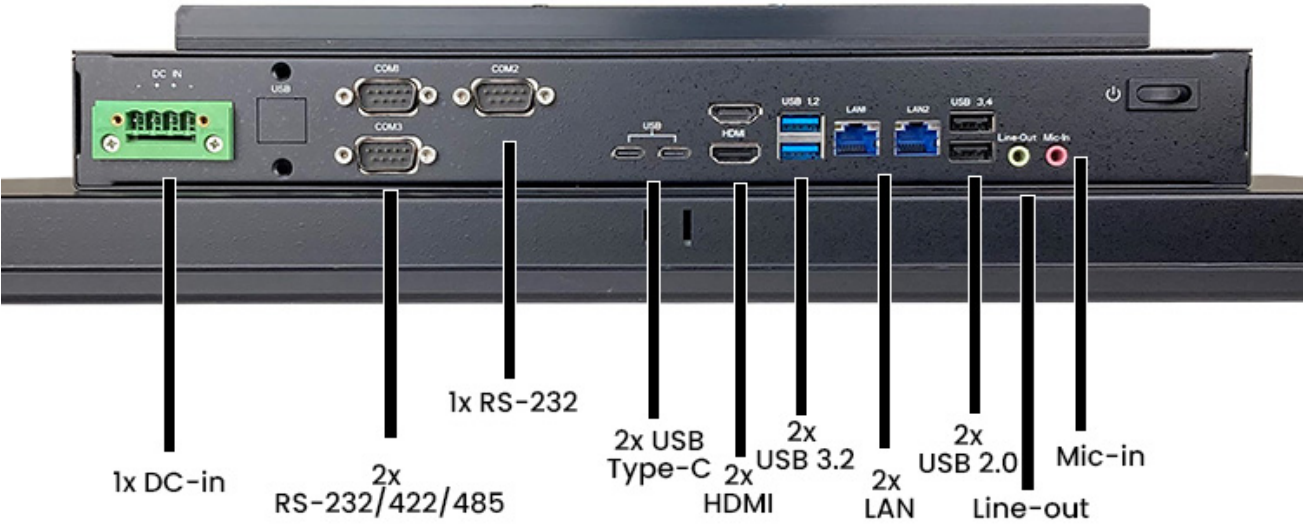
CE, FCC, VCCI Class B

Warranty

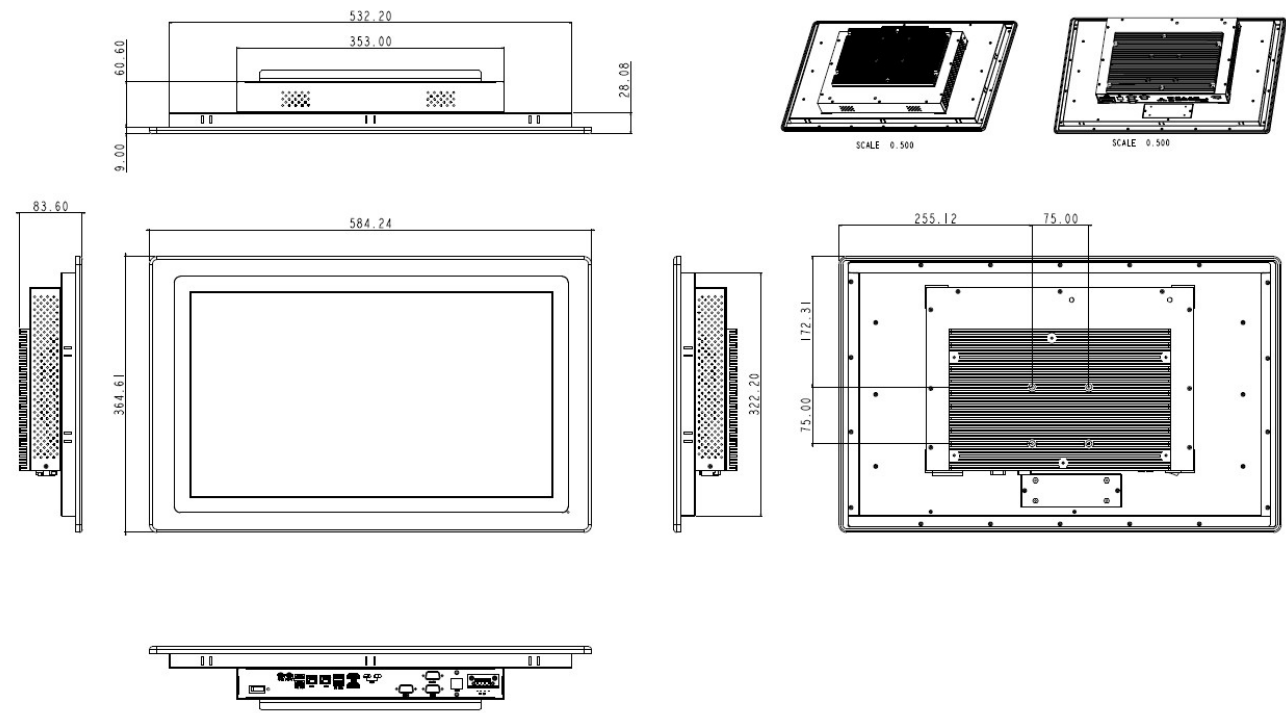
Warranty

Up to 5 Years

I/O Diagram Images



Tech Diagram Images



All specifications are subject to change without notice.