



Features

- 15" 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 NVME 2280

Technical Specifications

General

Main Category Industrial Computer

Expansion Slots

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

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

Multimedia

Display

Resolution 1024 x 768 (XGA)

Screen Ratio 4:3

Brightness 350 nits

Contrast Ratio 800:1

Viewing Angle 160° (H), 160° (V)

Number of Colors Supported 16.2M

Thermal and Environmental

Operating Temperature Array (32°F – 104°F)

Storage Temperature Array (-4°F – 140°F)

Humidity Range 10% – 90% Non-condensing

Cooling Solution Passive – Fanless

Touch Screen

Touch Screen	Projected Capacitive, Resistive
Light Transmission	80±5% (Resistive), >86% (P-Cap)
Hardness	Resistive: 3H, P-cap: 7H

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

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	2x 3.5mm Audio Line-Out/Mic-In
Power Input Port	4-Pin DC-In (Phoenix Type Terminal Block)

Peripherals & Wireless Connectivity

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

Power

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

Dimensions / Weight

Dimensions	398 x 330 x 86.1 mm (15.7 x 13.0 x 3.4 in)
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Battery

Certification

Certifications	CE, FCC, VCCI Class B
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Operating Systems

Warranty

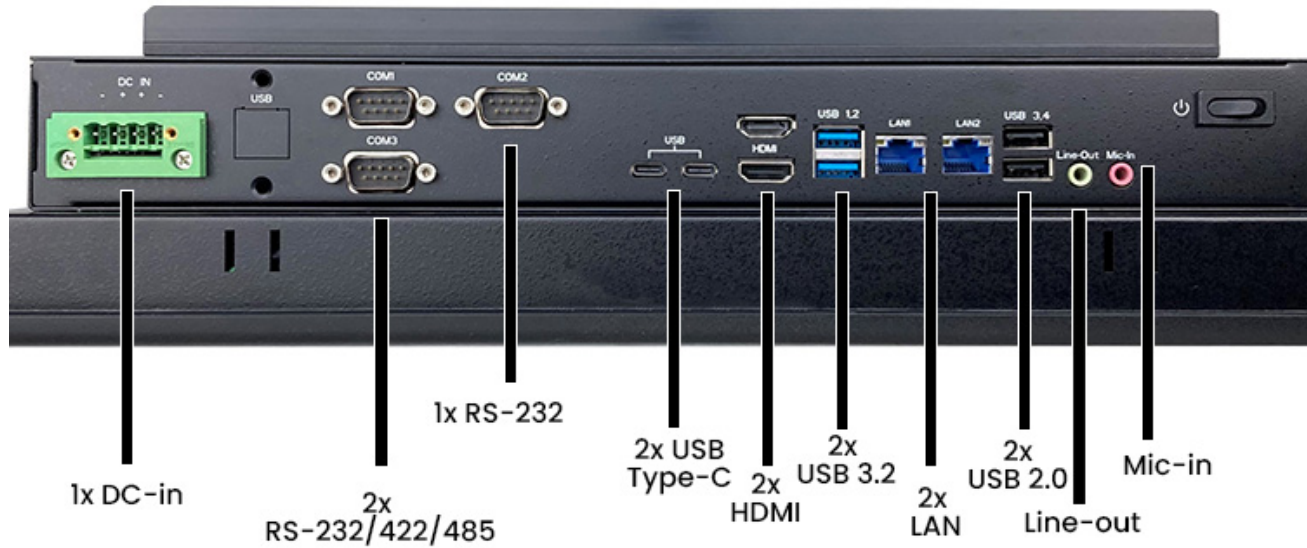
Windows	Windows 11 Pro, Windows 10 IoT, Windows 10 Pro	Warranty	Up to 5 Years
Linux	Linux		

Compatibility

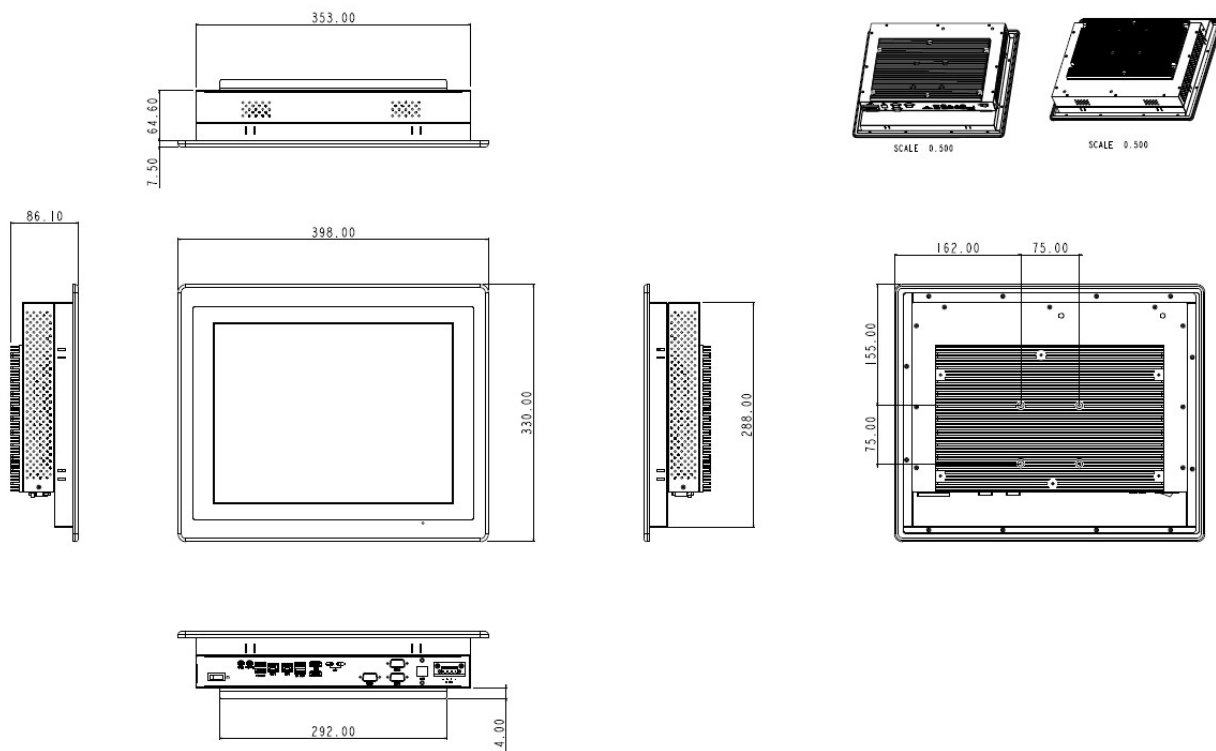
Filters

Security Hardware	TPM 2.0	Main Category Filter	Industrial Computer
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Inputs / Outputs



Technical Drawings



All specifications are subject to change without notice.