



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 NVME 2280

Technical Specifications

General

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)
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Primary Components

Multimedia

Display

Screen Size	21.5"
Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	250 nits
Contrast Ratio	1000:1
Viewing Angle	170° (H), 160° (V)
Number of Colors Supported	16.7M

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)

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)

Battery

Operating Systems

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

Compatibility

Security Hardware	TPM 2.0
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Peripherals & Wireless Connectivity

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

Dimensions / Weight

Dimensions	584 x 364 x 83.6 mm (23.0 x 14.3 x 3.3 in)
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Certification

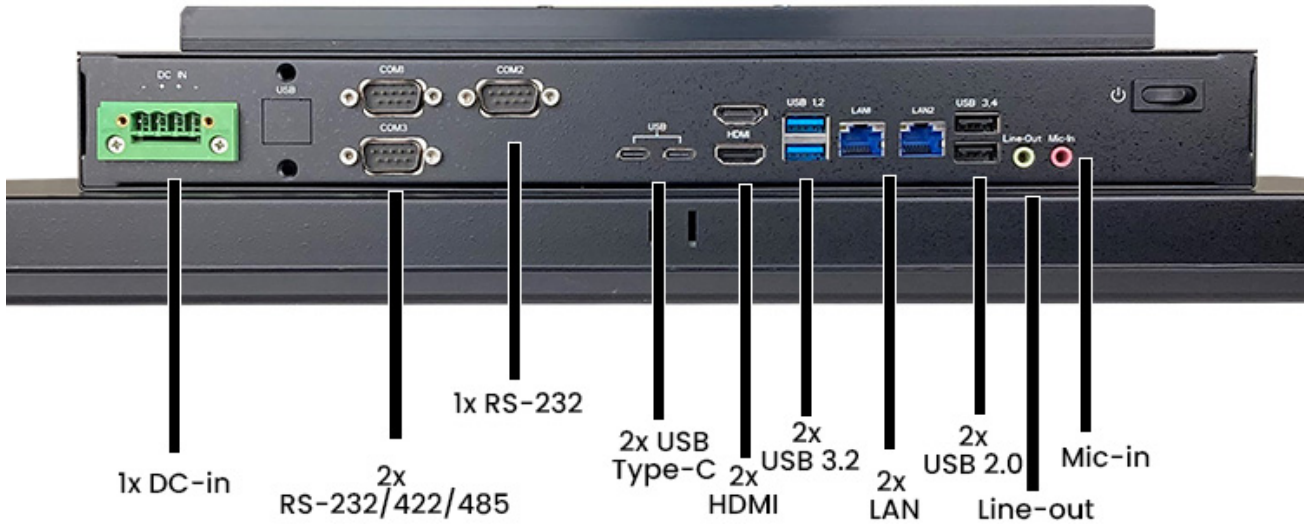
Certifications	CE, FCC, VCCI Class B
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Warranty

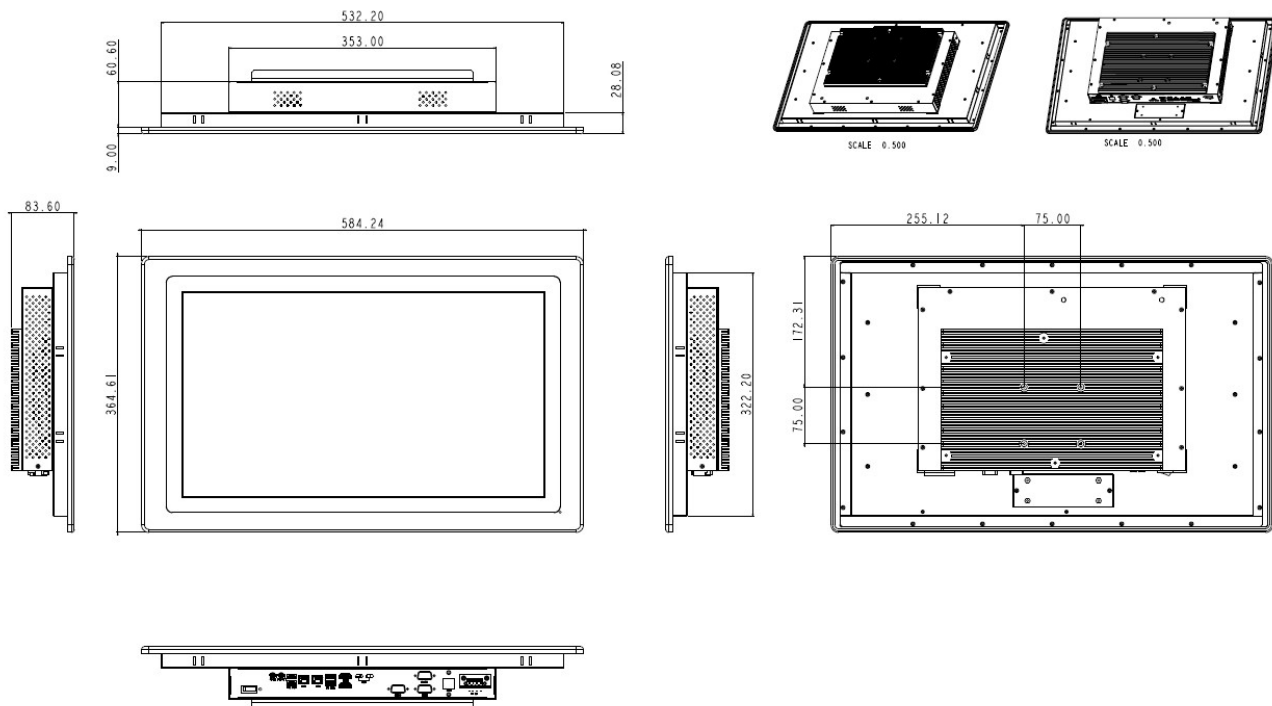
Warranty	Up to 5 Years
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Filters

Inputs / Outputs



Technical Drawings



All specifications are subject to change without notice.