



Features

- 22” LCD Touchscreen Display
- Intel 12th Generation i5 Processor 9300 Passmark score
- Windows 11
- i7 CPU Upgrade Option
- IP69K Waterproof M12 Connectors

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

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 2280 NVME SSD slot

Storage support 128GB-2TB

Multimedia

Display

Screen Size 21.5"

Resolution 1920 x 1080 (Full HD)

Screen Ratio 16:9

Brightness 250 nits

Contrast Ratio 1000:1

Thermal and Environmental

Operating Array

Temperature (32°F – 122°F)

Storage Temperature Array

 (-4°F – 140°F)

Humidity Range 10% – 90% Non-condensing

Cooling Solution Passive – Fanless

Touch Screen

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

Enclosure

Material	SUS304 Stainless Steel
Ip Rating	IP66, IP69K, NEMA 4X
Color	Stainless Steel
Control Buttons	Brightness Down, Brightness Up, Power Button
Mounting Options	Floor Stand, Swing Arm, Table Mount, VESA 100 Mount, Wall Mount

External I/O ports

USB	2x M12 8Pin for USB 1/2 and USB 3/4
Serial / Com	2x M12 8-pin for COM
Serial Protocol Detail	RS-232/422/485
Ethernet / LAN	1x M12 8pin RJ45 Gbe LAN
Video Outputs	Optional Display Port 1.4 through USB-C
Other Ports	Optional 1X USB-C 3.2 through M20 connector on bottom Bezel
Power Input Port	M12 type 5-PIN DC-in

Power

Input Voltage Range	12-28V DC
Standard Power Adapter	AC 100 ~ 277V / DC output 24V, 5A, 120W, IP68

Battery

Operating Systems

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

Security Hardware	fTPM 2.0
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Peripherals & Wireless Connectivity

WiFi	Optional Wi-Fi 6 802.11 AX Dual Band, with Robust Flat Antennas
BlueTooth	Optional Bluetooth 5.3
Barcode Scanner	Optional 1D/2D Barcode Scanner
RFID	Optional RFID Reader

Dimensions / Weight

Weight	12 KG (26.5 lbs)
Dimensions	557 x 348.5 x 58.5 mm (21.9 x 13.7 x 2.3 in)

Certification

Certifications	CE, FCC
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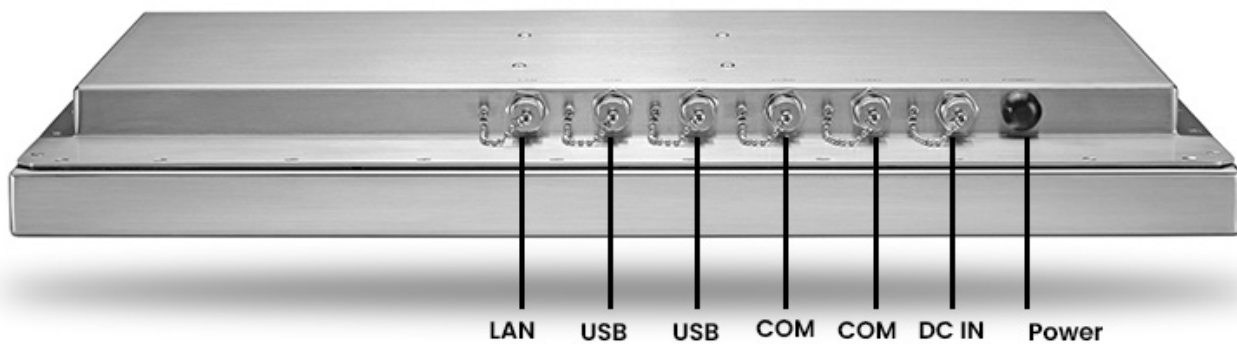
Warranty

Warranty	Up to 5 Years
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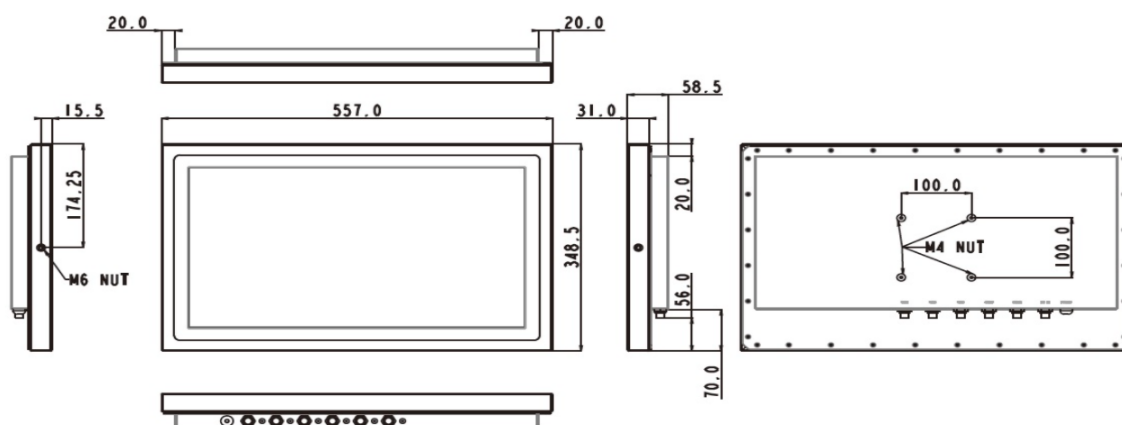
Filters

Main Category Filter	Industrial Computer
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Inputs / Outputs



Technical Drawings



All specifications are subject to change without notice.