



Features

- 21.5" P-Cap or Resistive Touchscreen
- Fanless Cooling System
- Easily accessible M.2 storage, up to 1TB
- IP66 Protected Front with Aluminum Housing
- Wide Range 9~36VDC Power Input
- Intel 8th Gen. Core i3/i5 CPU IP66 Protected Front with Aluminum Housing

Technical Specifications

General

Main Category Industrial Computer

Primary Components

Processor Family Intel Celeron or Core i 8th Generation Whiskey Lake
 Processor Model Core i3 8145UE, Core i5-8365UE
 Processor Speed 2.2 GHz
 Memory Type 1x DDR4 SO-DIMM
 Memory Support 4GB, 8GB, 16GB, 32GB
 Storage type 1x M.2 M Key, PCIe or SATA, 2242 NVME support
 Storage support M.2: 128GB-1TB

Display

Screen Size 21.5"
 Resolution 1920 x 1080 (Full HD)
 Screen Ratio 16:9
 Brightness 250 nits, Optional 1000 nit High Brightness
 Contrast Ratio 3000:1
 Viewing Angle 178° (H), 178° (V)
 Number of Colors Supported 16.7M

Expansion Slots

Internal Mini PCIe 1x Mini-PCIe

Multimedia

Thermal and Environmental

Operating Temperature Array (32°F – 122°F)
 Storage Temperature Array (-4°F – 140°F)
 Humidity Range 10% – 90% Non-condensing
 Cooling Solution Passive – Fanless with Heatsink

Touch Screen

Touch Screen	Projected Capacitive, Resistive
Light Transmission	Over 80% (Resistive), Over 90% (P-Cap)
Lifetime Usage	30,000 hrs, 50,000 hrs (High Brightness)

External I/O ports

USB	4x USB 3.0
Serial / Com	1x COM
Serial Protocol Detail	Included Y-Cable provides two DB-9 Com ports: 1x 5-pin RS-232 (COM1) and 1x Configurable 3-Pin RS-232/422/485 (COM2)
Ethernet / LAN	2x RJ45 GbE LAN
Video Outputs	1x DisplayPort
Other Ports	1x 2-Pin DC Power Switch Connector
Audio	1x Audio Line-Out
Power Input Port	2-Pin Power Switch

Power

Input Voltage Range	9-36V DC
Max Power consumption	74W

Battery**Operating Systems**

Windows	Windows 11, Windows 10 IoT
Linux	Yocto Linux, Linux Ubuntu 20.04 or above (Contact your sales rep for more information)

Compatibility

Security Hardware	TPM 2.0
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Enclosure

Material	Aluminum
Ip Rating	IP66 Front Bezel
Mounting Options	Panel Mount, VESA Mount

Peripherals & Wireless Connectivity**Dimensions / Weight**

Weight	7.5 KG (16.5 lbs)
Dimensions	557.3x362.3x64.8 mm (21.9 x 14.3 x 2.6 in)

Certification

Certifications	CE, FCC Class A, UL 62368
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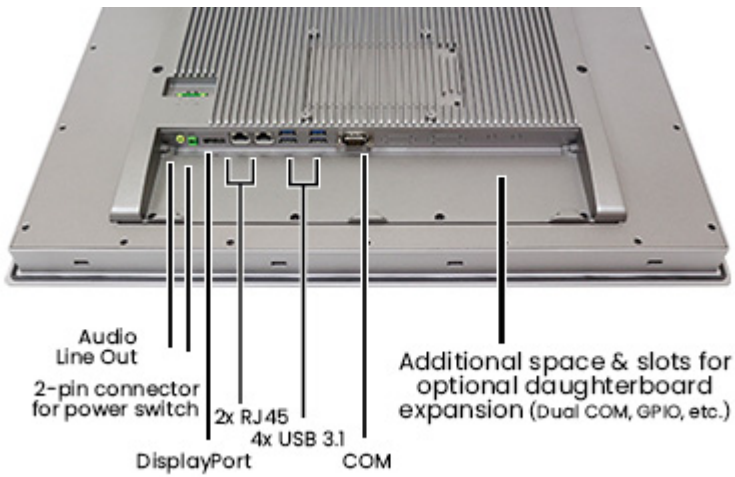
Warranty

Warranty	1 Year
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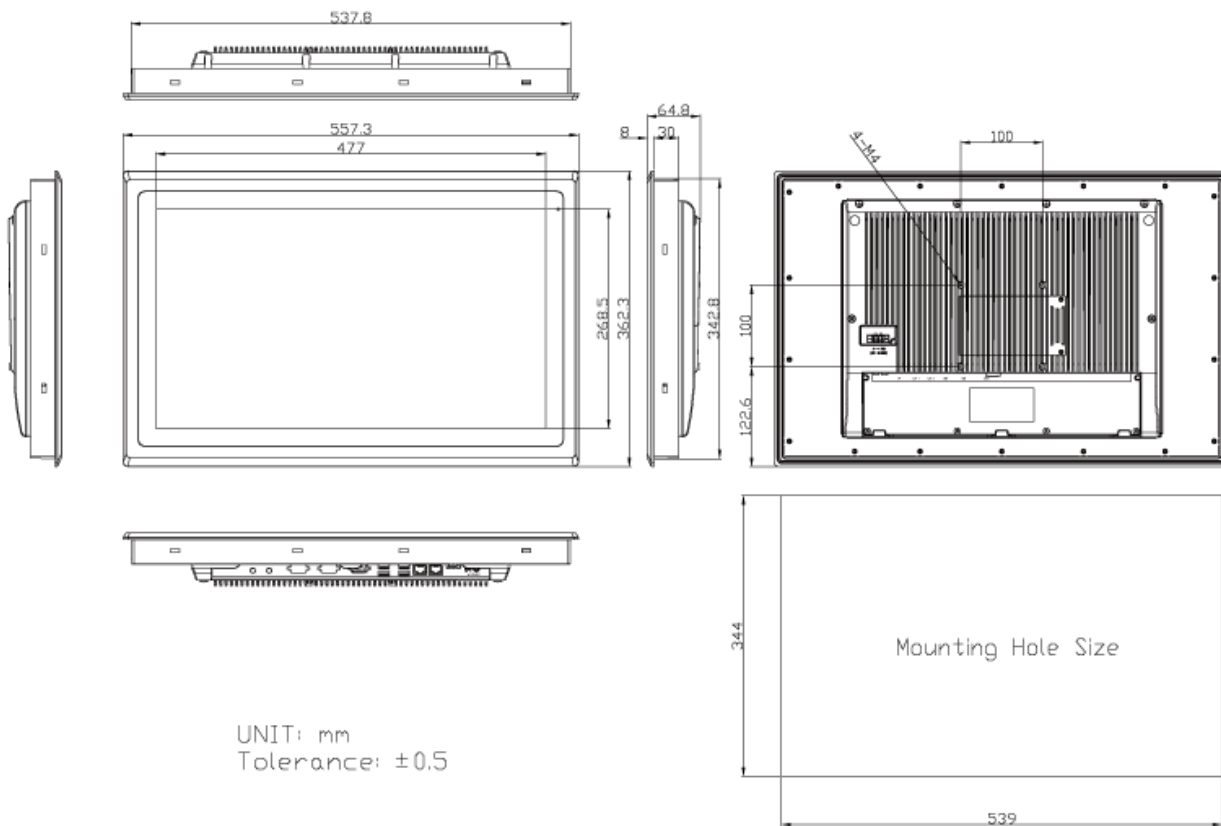
Filters

Main Category Filter	Industrial Computer
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Inputs / Outputs



Technical Drawings



All specifications are subject to change without notice.