



Features

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

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 15"
Resolution 1024 x 768 (XGA)
Screen Ratio 4:3
Brightness 300 nits, Optional 1000 nit High Brightness
Contrast Ratio 2000:1
Viewing Angle 168° (H), 168° (V), 176° (H), 176° (V) High Brightness
Number of Colors Supported 16.7M

Expansion Slots

Internal Mini PCIe 1x Mini-PCIe
Internal M.2 1x M.2 for NVME SSD Support

Multimedia

Speakers Optional Speaker

Thermal and Environmental

Operating Temperature Array (32°F – 122°F)
Storage Temperature Array (-4°F – 140°F)
Humidity Range 10% – 95% 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	50,000 hrs, 70,000 hrs (High Brightness)

Enclosure

Material	Aluminum
Ip Rating	IP66 Front Bezel
Color	Gray
Led Indicator Light	Power
Mounting Options	Panel Mount, VESA Mount

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 3.5mm Audio Line-Out
Power Input Port	DC-in Jack (Phoenix Type), 2-Pin Power Switch

Peripherals & Wireless Connectivity

Sim card	1x Nano SIM Card Slot
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Power

Input Voltage Range	9-36V DC
Max Power consumption	59W
Standard Power Adapter	Optional 12V 5A AC/DC Adapter

Dimensions / Weight

Weight	4.29 KG (9.5 lbs)
Dimensions	410x310x67 mm (16.1 x 12.2 x 2.6 in)

Battery

Type	Optional Internal Battery
Operating Time	20min
Quantity	1x Optional Battery

Certification

Certifications	CE, FCC Class A, UL 62368
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Operating Systems

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

Warranty

Warranty	1 Year
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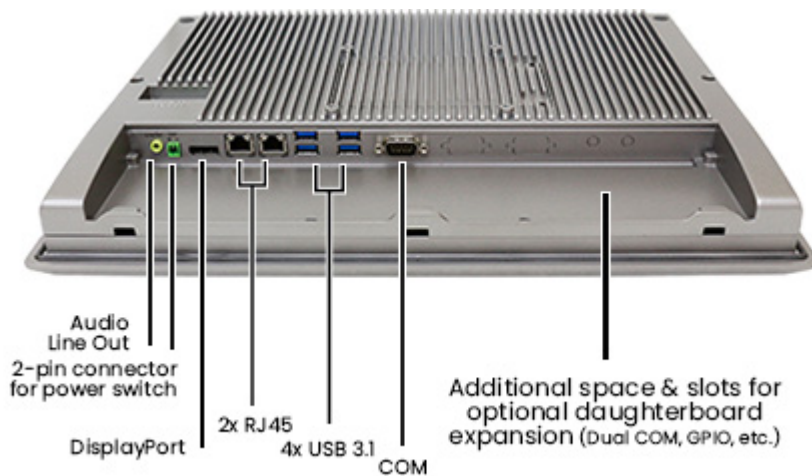
Compatibility

Security Hardware	TPM 2.0
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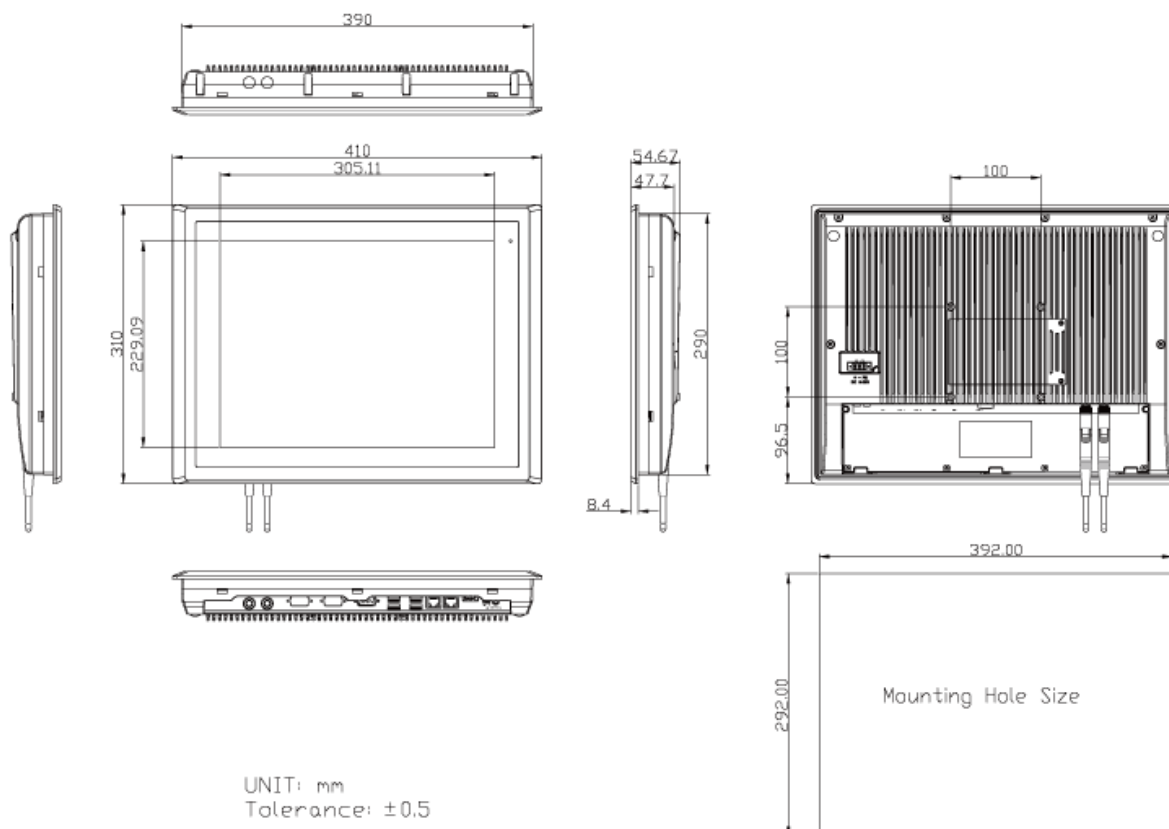
Filters

Main Category Filter	Industrial Computer
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Inputs / Outputs



Technical Drawings



All specifications are subject to change without notice.