



Features

- 12.1" P-Cap or Resistive Touchscreen
- Fanless Cooling System
- Easily accessible M.2 storage, up to 1TB
- Intel 8th Gen. Core i3/i5 CPU
- Wide Range 9~36VDC Power Input
- 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 12.1"

Resolution 1024 x 768 (XGA)

Screen Ratio 4:3

Brightness 500 nits, Optional 1000 nit High Brightness

Contrast Ratio 1000:1

Viewing Angle 178° (H), 178° (V)

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	30,000 hrs, 50,000 hrs (High Brightness)

Enclosure

Material	Aluminum
Ip Rating	IP66 Front Bezel
Color	Gray
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	56W
Standard Power Adapter	Optional 12V 5A AC/DC Adapter

Dimensions / Weight

Weight	2.7 KG (6.0 lbs)
Dimensions	319x245x51.7 mm (12.6 x 9.6 x 2.0 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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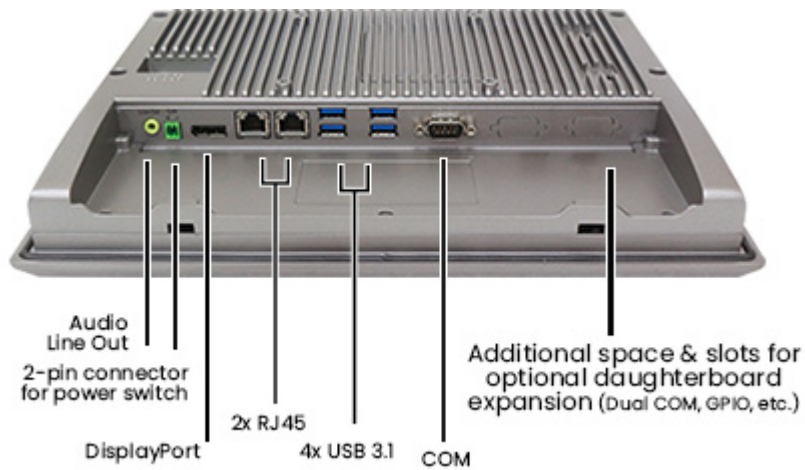
Compatibility

Security Hardware	TPM 2.0
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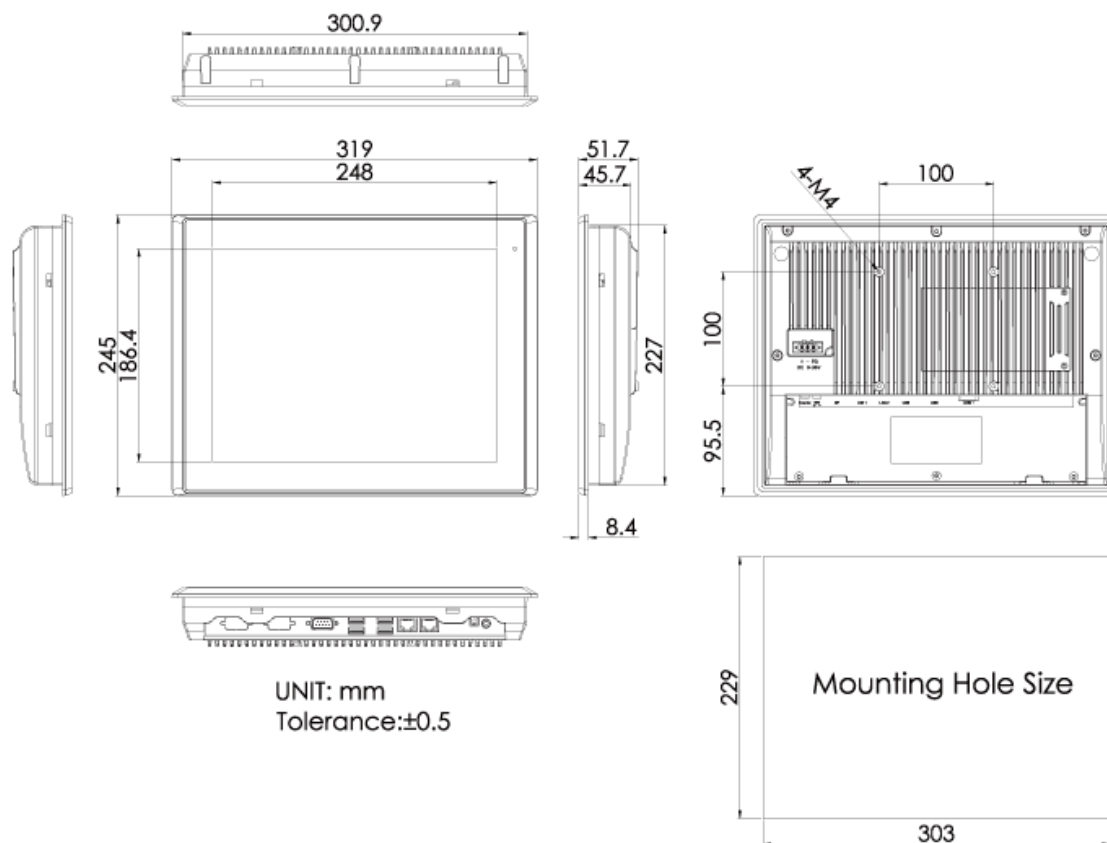
Filters

Main Category Filter	Industrial Computer
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Inputs / Outputs



Technical Drawings



All specifications are subject to change without notice.