

Features

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

Technical Specifications

General

Main Category	Industrial Computer
Featured Product	yes

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	15.6"
Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	450 nits, Optional 1000 nit High Brightness
Contrast Ratio	800:1
Viewing Angle	160º (H), 170º (V), 160º (H), 170º (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, 50,000 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

Power

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

Dimensions / Weight

Weight	4.32 KG (9.5 lbs)
Dimensions	412x277.5x58.9 mm (16.2 x 10.9 x 2.3 in)

Battery

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

Certification

Certifications	CE, FCC Class A

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

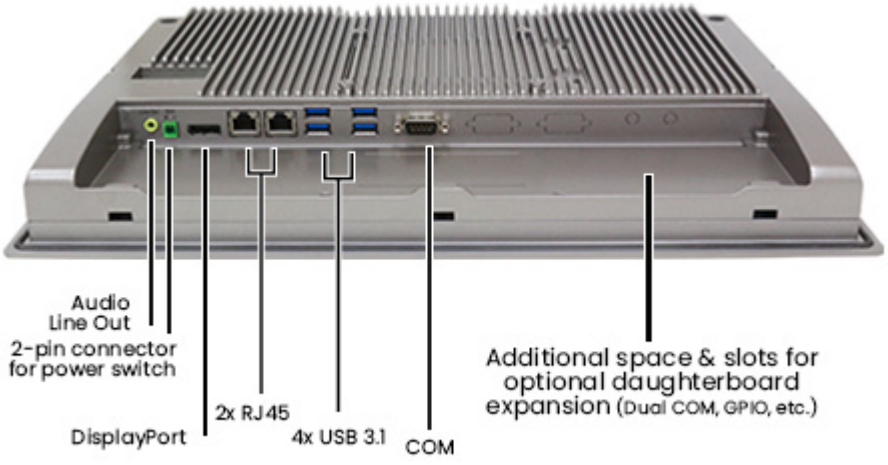
Compatibility

Security Hardware	TPM 2.0

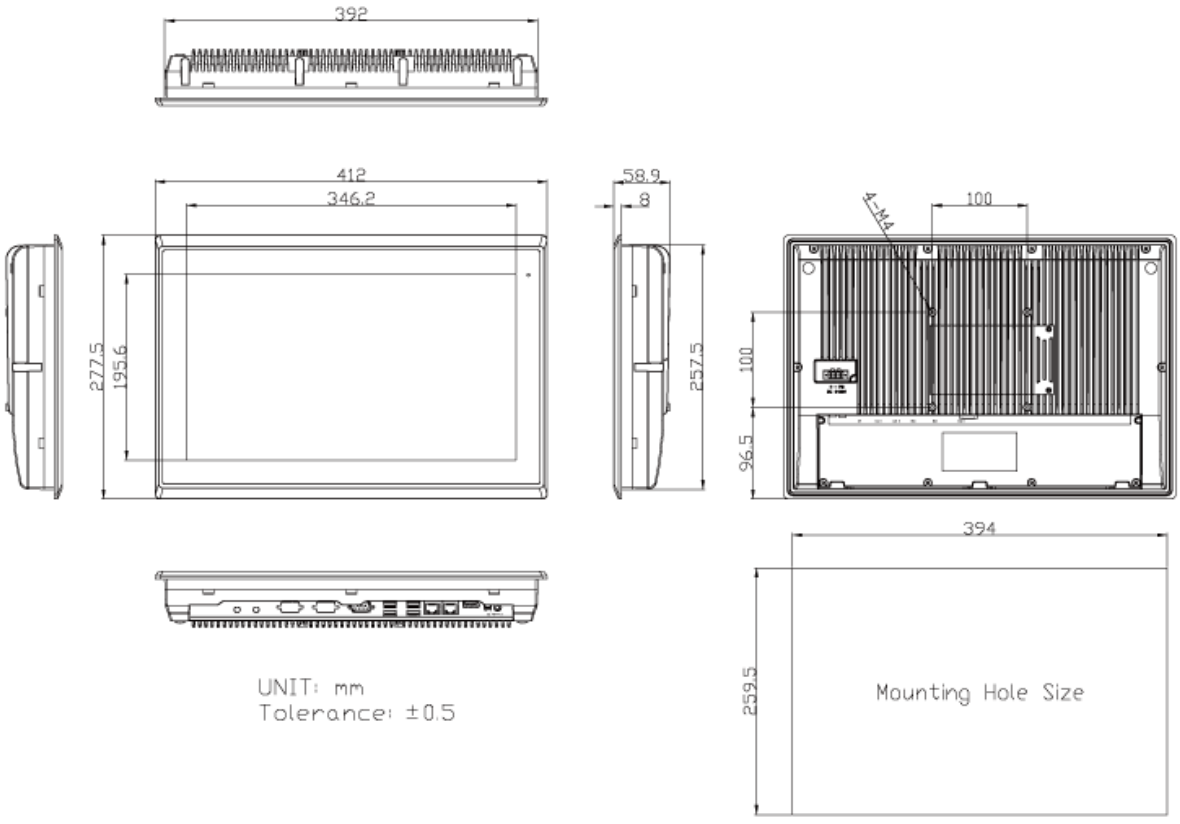
Filters

Main Category Filter	Industrial Computer

Inputs / Outputs



Technical Drawings



All specifications are subject to change without notice.