



Features

- 21.5" LCD Touchscreen
- Slim and Fanless Design
- Intel 8th Gen Core i3/i5 Processor
- Windows 11 Capabilities
- IP66/IP69K Stainless Steel Front Bezel

Technical Specifications

General

Expansion Slots

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

Primary Components

Multimedia

Processor Family	Intel Core I series 8th Generation Whiskey Lake-U
Processor Model	Core i3 8145UE, Core i5-8365UE
Processor Speed	1.6 GHz, Up to 4.1 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB
Storage type	1x M.2 M Key, PCIe or SATA, 2242 default or 2280
Storage support	128GB-1TB

Display

Thermal and Environmental

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

Operating Temperature	Array (32°F – 122°F)
Storage Temperature	Array (-22°F – 158°F)
Humidity Range	10% – 95% Non-condensing
Storage Humidity	10% – 90% Non-condensing
Cooling Solution	Passive – Fanless

Touch Screen		Enclosure	
Touch Screen	Projected Capacitive, Resistive	Material	Aluminum, SUS304 Stainless Steel, Optional SUS316 Stainless Steel
Light Transmission	Over 80% (Resistive), Over 90% (P-Cap)	Ip Rating	IP66 Front Bezel, IP69K Front Bezel
Lifetime Usage	50,000 hrs	Color	Silver, Stainless Steel
		Mounting Options	Panel Mount, VESA 100 Mount
		Approved Cleaning Solutions	Acetic Acid (low concentration), Ammonium Nitrate (low concentration), Benzine, Citric Acid (low concentration), Ethanol, Ethylene Glycol Solution (1:1 with water), Hexane, Hydrochloric Acid (low concentration), Iron Chloride Solution, Isooctane, Isopropyl Alcohol, Nitric Acid (low concentration), Paraffin, Perhydrol (30% in water), Phosphoric Acid (low concentration), Propane, Silicone Oil, Sodium Carbonate (low concentration), Sodium Chloride Solution, Sodium Nitrate (low concentration), Sulfuric Acid (low concentration), Triethylene Glycol
External I/O ports		Peripherals & Wireless Connectivity	
USB	4x USB 3.0	WiFi	Optional 802.11 ac + Bluetooth with External Antennas
Serial / Com	2x COM	BlueTooth	Optional Bluetooth 4.0
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)	Sim card	1x Nano SIM Card Slot
Ethernet / LAN	2x RJ45 GbE LAN		
Video Outputs	1x DisplayPort		
Audio	1x Audio Line-Out		
Power Input Port	DC-in Jack (Phoenix Type)		
Power		Dimensions / Weight	
Input Voltage Range	9-36V DC	Weight	7.8 KG (17.2 lbs)
Max Power consumption	74W	Dimensions	573.8 x 378.8 x 59.8 mm (22.6 x 14.9 x 2.4 in)
Standard Power Adapter	Optional 19V 6.3A AC/DC Adapter		

Battery

Certification

Certifications	CE, EN 1672-2 Complaint (PCAP Touchscreen Only), FCC Class A
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Operating Systems

Warranty

Windows	Windows 11, Windows 10 IoT, Windows 10 Pro	Warranty	Up to 5 Years
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Compatibility

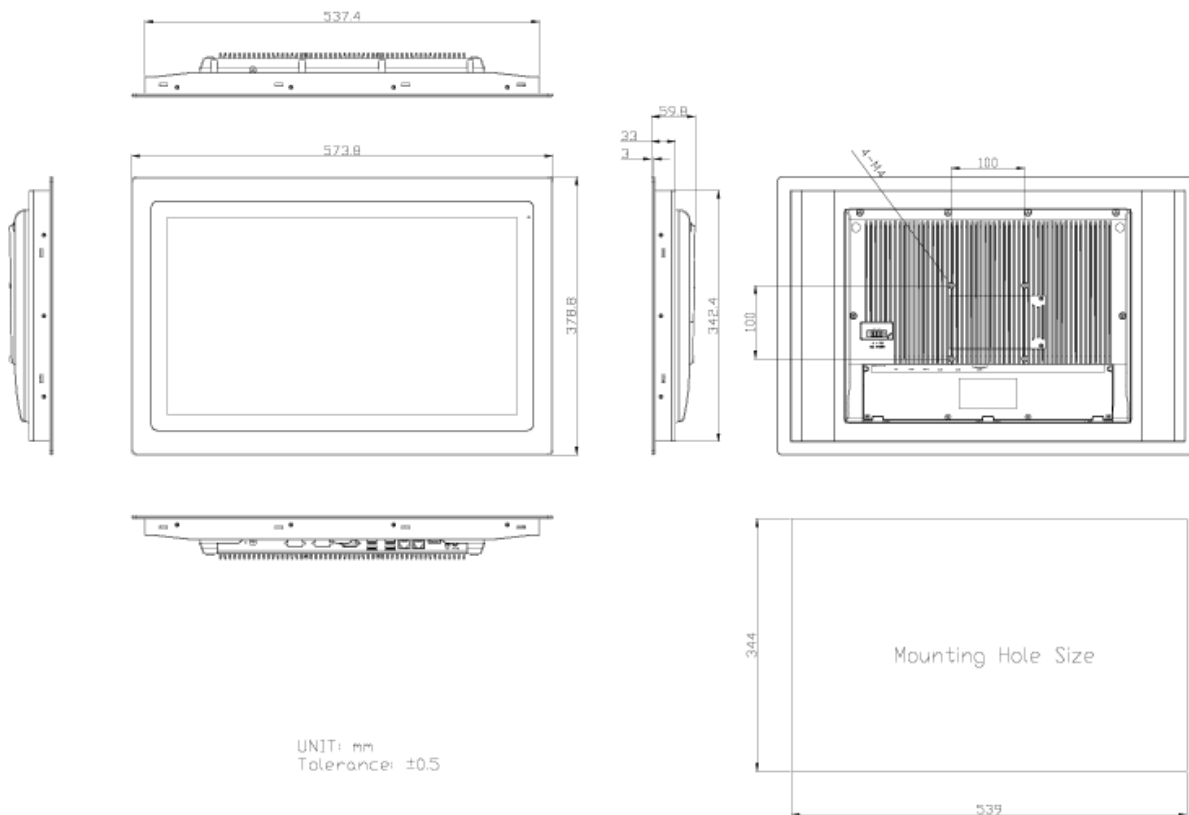
Filters

Main Category Filter Industrial Computer

Inputs / Outputs



Technical Drawings



All specifications are subject to change without notice.