



## Features

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

## Technical Specifications

### General

### Primary Components

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

Screen Size	15.6"
Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	500 nits, Optional 1000 nit High Brightness
Contrast Ratio	1000:1
Viewing Angle	170° (H), 170° (V), 178° (H), 178° (V) High Brightness
Number of Colors Supported	16.7M

### Expansion Slots

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

### Multimedia

### Thermal and Environmental

Operating Temperature	0°C – 50°C (32°F – 122°F; Optional -4°F – 140°F)
Storage Temperature	-30°C – 70°C (-22°F – 158°F)
Humidity Range	10% – 95% Non-condensing
Storage Humidity	10% – 90% Non-condensing
Cooling Solution	Passive – Fanless

**Touch Screen**

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

**Enclosure**

Material	Aluminum, SUS304 Stainless Steel, Optional SUS316 Stainless Steel
Ip Rating	IP66 Front Bezel, IP69K Front Bezel
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**

USB	4x USB 3.0
Serial / Com	2x 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
Audio	1x Audio Line-Out
Power Input Port	DC-in Jack (Phoenix Type)

**Power**

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

**Peripherals & Wireless Connectivity**

WiFi	Optional 802.11 ac + Bluetooth with External Antennas
BlueTooth	Optional Bluetooth 4.0
Sim card	1x Nano SIM Card Slot

**Dimensions / Weight**

Dimensions	424 x 289.5 x 58.1 mm mm (16.7 x 11.4 x 2.3 in)
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**Battery**

**Certification**

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

**Operating Systems**

**Warranty**

Windows Windows 11, Windows 10 IoT, Windows 10 Pro

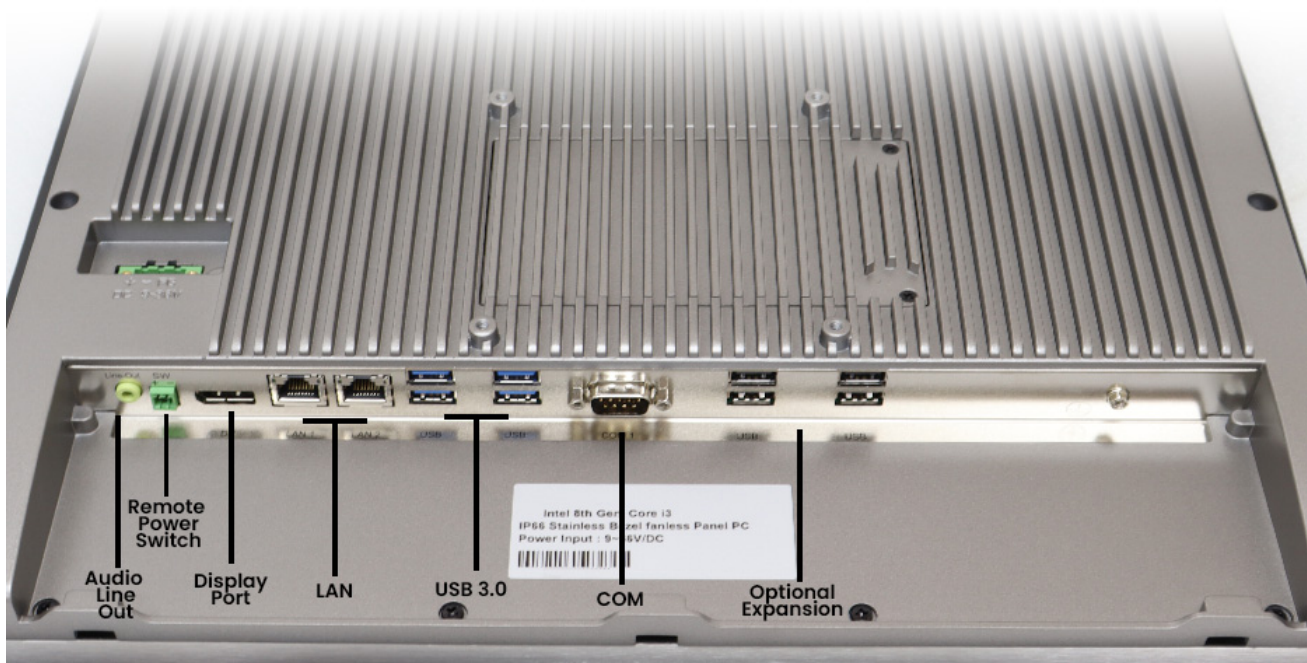
Warranty Up to 5 Years

**Compatibility**

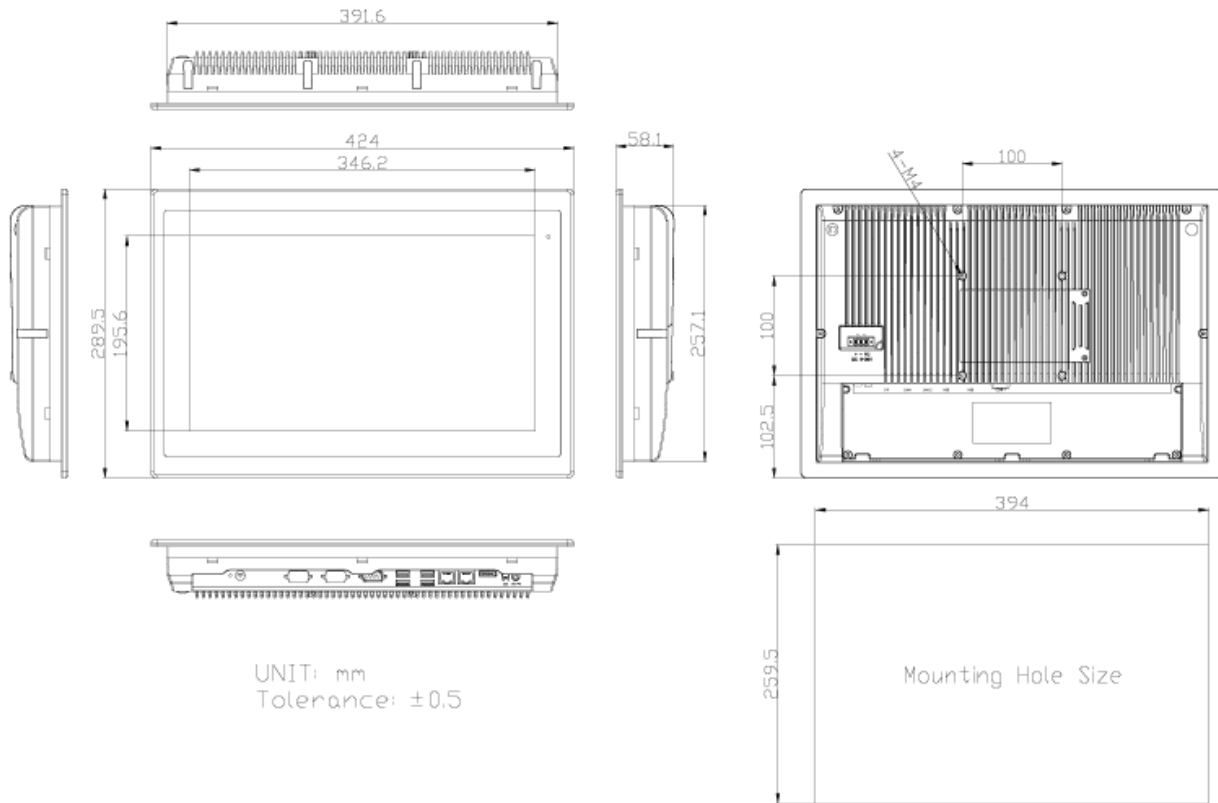
**Filters**

Main Category Filter Industrial Computer

**Inputs / Outputs**



Technical Drawings



*All specifications are subject to change without notice.*