

Features

- Intel 8th Generation Core i3 CPU
- Fanless cooling system
- IP66 waterproof rated
- Multiple I/Os including 2x USB 2.0, 1x LAN, and 1x COM
- 17” LCD TFT touchscreen display
- VESA 75 mounting

Technical Specifications

General

Main Category	Industrial Computer

Primary Components

Processor Family	Intel Core I series 8th Generation Whiskey Lake-U
Processor Model	Core i3 8145UE, Core i5-8365UE
Processor Speed	2.4 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB, 64GB
Storage type	1x M.2 M Key, PCIe or SATA, 2242 NVME support
Storage support	M.2: 128GB-1TB

Display

Screen Size	17"
Resolution	1280 x 1024 (SXGA)
Screen Ratio	4:3
Brightness	350 nits, Optional 1000 nit High Brightness
Contrast Ratio	1000:1
Viewing Angle	170º (H), 160º (V)
Number of Colors Supported	16.7M

Expansion Slots

Internal Mini PCIe	1x Mini-PCIe

Multimedia

Thermal and Environmental

Operating Temperature	Array (32°F – 122°F)
Storage Temperature	Array (-22°F – 158°F)
Humidity Range	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	SUS304 Stainless Steel, Optional SUS316 Stainless Steel
Ip Rating	IP66 Front Bezel
Mounting Options	VESA Mount

External I/O ports

USB	2x USB 2.0, 1x M12 8Pin for USB 1/2
Serial Protocol Detail	1x RS-232/422/485 DB-9, default RS-232
Ethernet / LAN	1x M12 8pin RJ45 Gbe LAN
Video Outputs	1x DisplayPort, 1x HDMI
Other Ports	1x M12 type 3-PIN DC-in

Peripherals & Wireless Connectivity

Power

Input Voltage Range	9-36V DC
Max Power consumption	48W
Standard Power Adapter	Optional IP65 24 V 2.5A AC/DC Adapter

Dimensions / Weight

Weight	8.2 KG (18.1 lbs)
Dimensions	432x358x55 mm (17.0 x 14.1 x 2.2 in)

Battery

Certification

Certifications	CE, FCC Class A

Operating Systems

Windows	Windows 11, Windows 10 IoT, Windows 10 Pro

Warranty

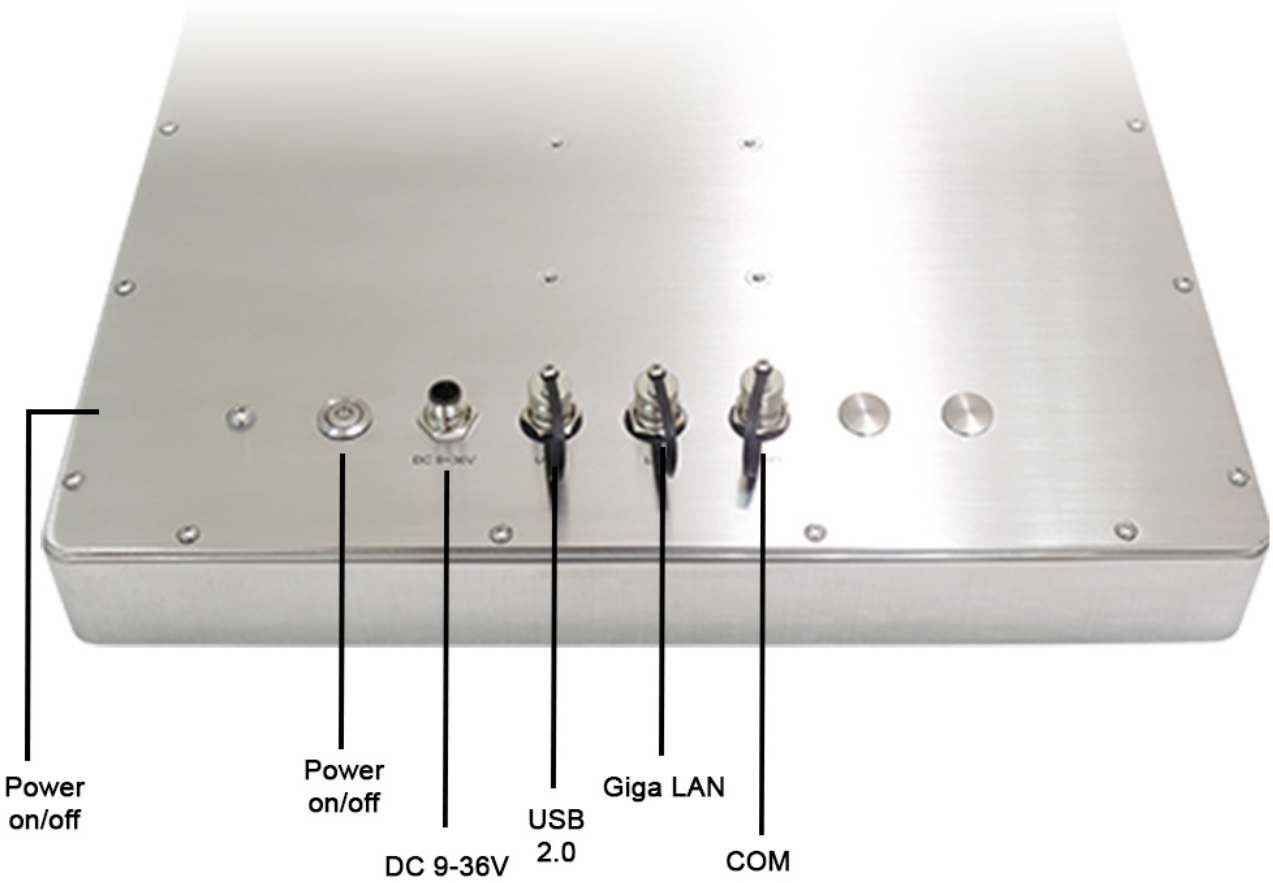
Warranty	1 Year

Compatibility

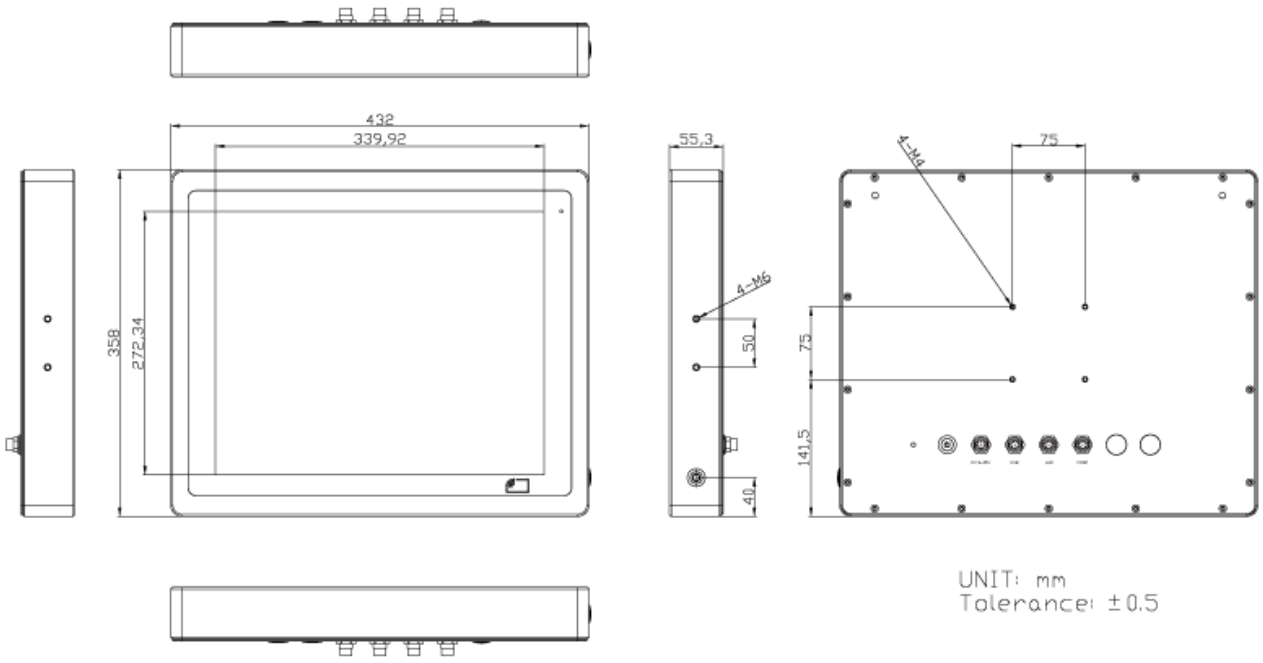
Filters

Main Category Filter	Industrial Computer

Inputs / Outputs



Technical Drawings



All specifications are subject to change without notice.