

Features

- 12.1" LCD Touchscreen
- Intel 6th Gen. Core i3/i5/i7 CPU
- 304 Stainless Steel Front Bezel (Optional 316)
- Wide Range DC 9~36V Power Input
- Slim, Fanless Design

Technical Specifications

General

Main Category	Industrial Computer

Primary Components

Processor Family	Intel Core I series 6th Generation Skylake
Processor Model	Core i3-6100U
Processor Speed	2.3 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB
Storage type	1x 2.5" SATA Drive Bay for SSD/HDD (easily accessible)
Storage support	32GB-1TB

Display

Screen Size	12.1"
Resolution	1024 x 768 (XGA)
Screen Ratio	4:3
Brightness	450 nits, Optional 1000 nit High Brightness
Contrast Ratio	700:1
Viewing Angle	178º (H), 178º (V), 160º (H), 140º (V) High Brightness
Number of Colors Supported	16.2M, 262K

Expansion Slots

Internal Mini PCIe	1x Mini-PCIe
SD card	1x Full Size SD Slot

Multimedia

Thermal and Environmental

Operating Temperature	Array (32°F – 122°F; Optional -4°F – 140°F)
Storage Temperature	Array (-4°F – 140°F)
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	30,000 hrs, 50,000 hrs (High Brightness)

Enclosure

Material	Aluminum, SUS304 Stainless Steel, Optional SUS316 Stainless Steel
Ip Rating	IP66 Front Bezel, IP69K Front Bezel
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
Cleaning Instructions	View instructions here

External I/O ports

USB	2x USB 3.0
Serial / Com	2x COM
Serial Protocol Detail	1x RS-232/422/485 DB-9, default RS-232(COM1), 1x RS-232 DB-9(COM2)
Ethernet / LAN	2x RJ45 GbE LAN
Video Outputs	1x Optional HDMI
Audio	1x Audio Line-Out
Power Input Port	3-Pin DC-In (Phoenix Type)

Peripherals & Wireless Connectivity

WiFi	WiFi

Power

Input Voltage Range	9-36V DC
Max Power consumption	45.5W
Standard Power Adapter	Optional 12V AC/DC Adapter

Dimensions / Weight

Weight	2.5 KG (5.5 lbs)
Dimensions	331 x 257 x 52 mm (13.0 x 10.1 x 2.0 in)

Battery

Certification

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

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 7 Pro

Warranty

Warranty	Up to 5 Years

Compatibility

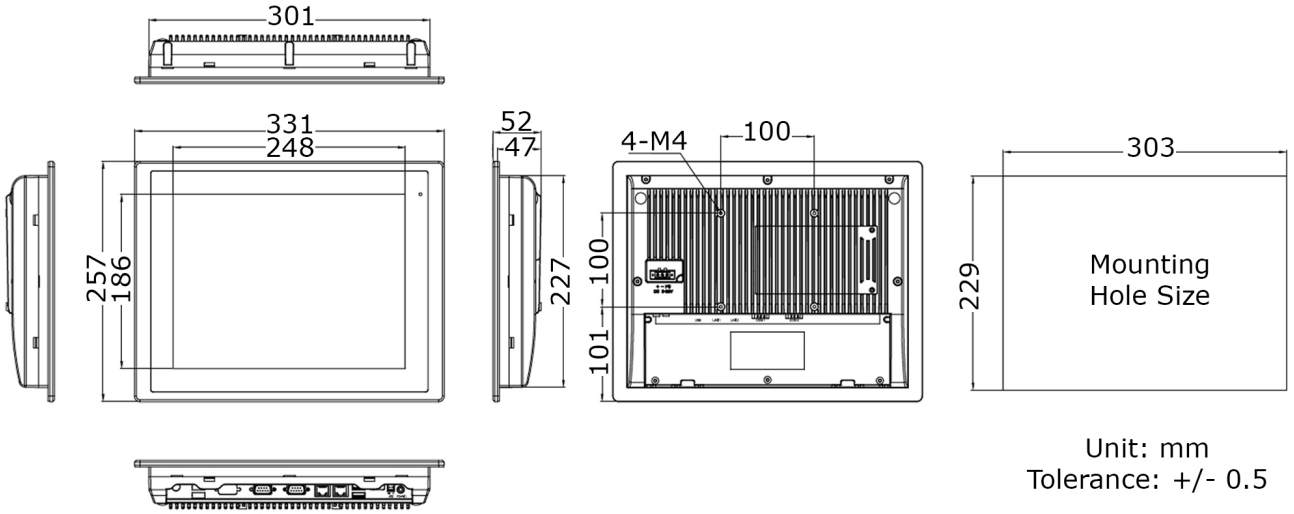
Security Hardware	TPM 2.0

Filters

Inputs / Outputs



Technical Drawings



Unit: mm
Tolerance: +/- 0.5

All specifications are subject to change without notice.