



Features

- 18.5" Resistive or PCAP Touchscreen
- Intel Celeron J6412 Processor
- Windows 11 Operating System
- IP66/IP69K Stainless Steel Front Bezel
- Aluminum back enclosure

Technical Specifications

General

Expansion Slots

Internal Mini PCIe	1x Mini-PCIe
Internal M.2	1x M.2 2230 Key E (for WiFi expansion option)

Primary Components

Multimedia

Processor Family	Intel Celeron Elkhart Lake
Processor Model	Celeron J6412 Quad
Processor Speed	2.0 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	18.5"
Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	350 nits, Optional 1000 nit High Brightness
Contrast Ratio	1000:1
Viewing Angle	170° (H), 165° (V) High Brightness
Number of Colors Supported	16.7M

Operating Temperature	Array (32°F – 122°F; Optional -4°F – 140°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

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

External I/O ports

USB	2x USB 2.0, 2x USB 3.2
Serial / Com	1x COM
Serial Protocol Detail	1x RS-232/422/485 DB-9, default RS-232(COM1)
Ethernet / LAN	2x RJ45 2.5 GbE LAN
Video Outputs	1x DisplayPort
Audio	1x Audio Line-Out
Power Input Port	DC-in Jack (Phoenix Type)

Peripherals & Wireless Connectivity

WiFi	Optional 802.11 ac + Bluetooth with External Antennas
BlueTooth	Optional Bluetooth 4.0

Power

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

Dimensions / Weight

Weight	6.9 KG (15.2 lbs)
Dimensions	510 x 325 x 63.7 mm (20.1 x 12.8 x 2.5 in)

Battery

Certification

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

Windows	Windows 11, Windows 10 IoT, Windows 10 Pro
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Warranty

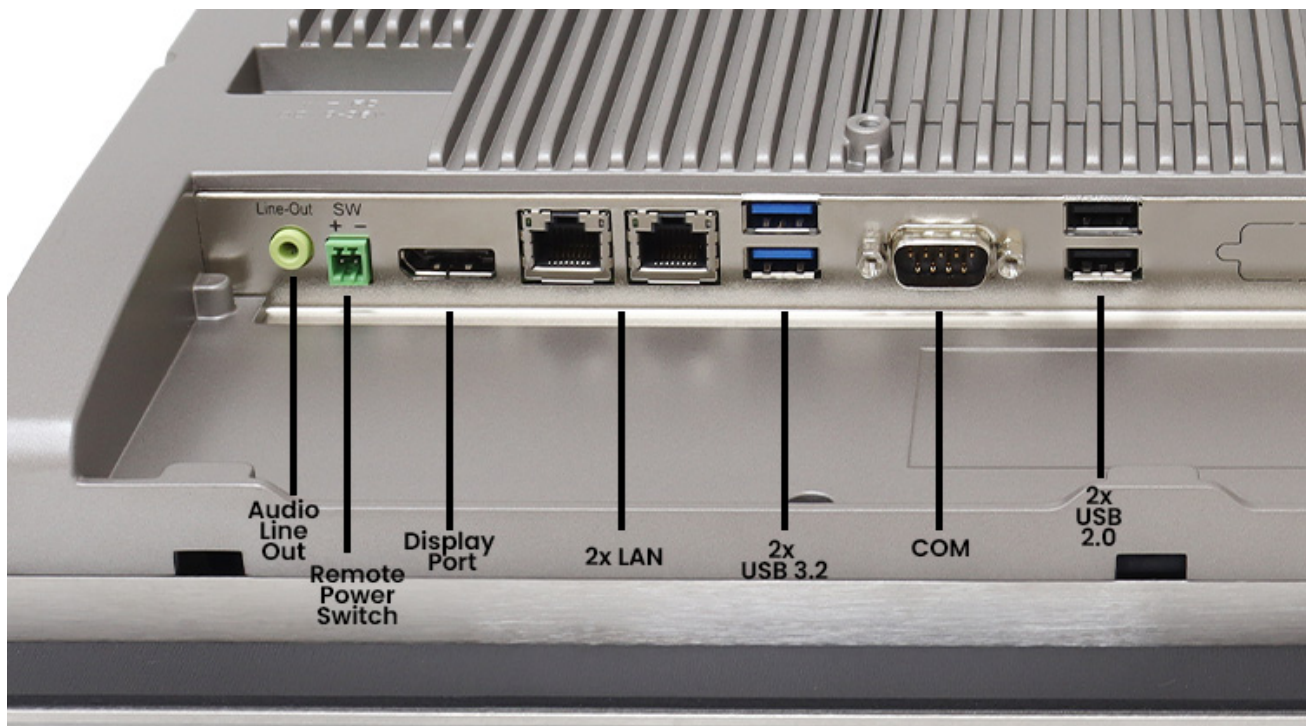
Warranty	Up to 5 Years
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Compatibility

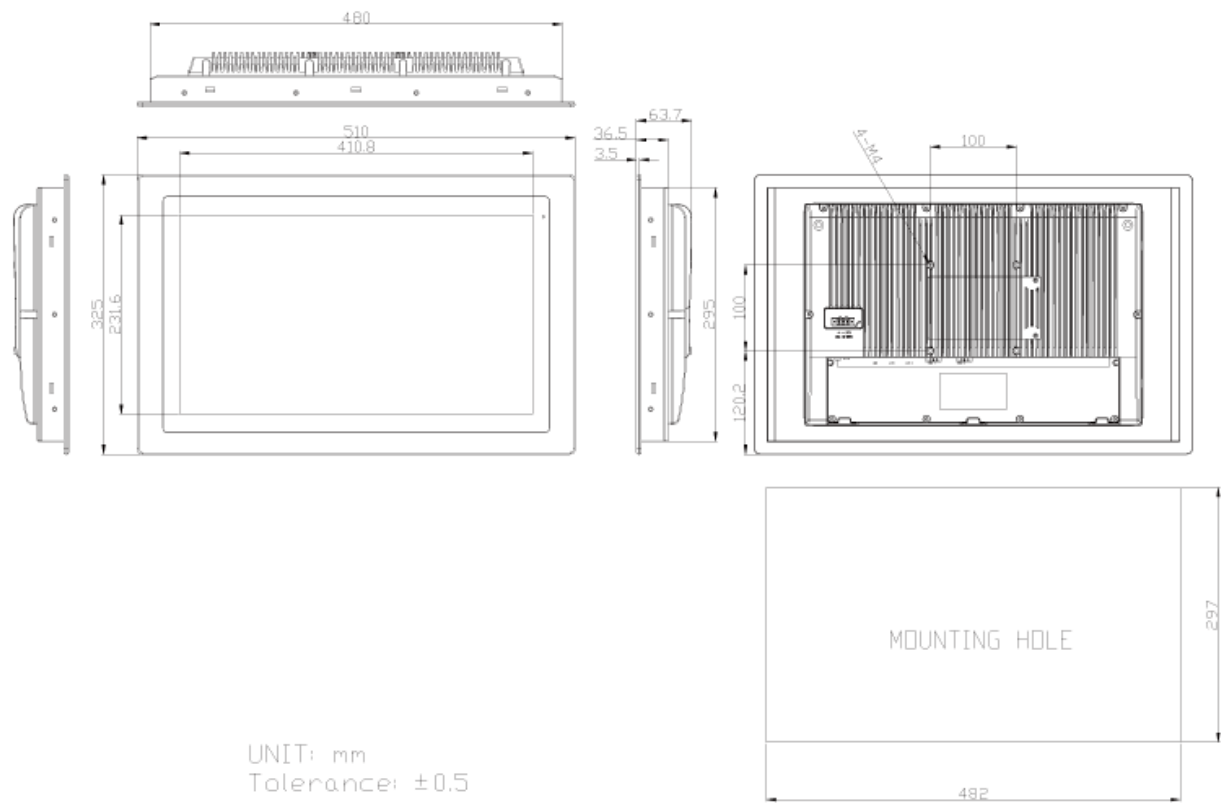
Filters

Main Category Filter	Industrial Computer
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Inputs / Outputs



Technical Drawings



All specifications are subject to change without notice.