



Features

- Resistive or PCAP 7" Touchscreen Options
- Intel Celeron J6412 Quad Core Processor
- Die Cast Aluminum Housing and IP66 Rated Front Bezel
- WiFi 6 Capable
- Windows 11 Capabilities

Technical Specifications

General

Main Category Industrial Computer

Expansion Slots

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

Primary Components

Processor Family	Intel Celeron Elkhart Lake
Processor Model	Celeron J6412
Processor Speed	2.0 GHz, Up to 2.6 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB
Storage type	1x M.2 SATA3 2242 Slot
Storage support	M.2: 256GB-1TB

Multimedia

Display

Screen Size	7"
Resolution	800 x 480 (WVGA)
Screen Ratio	5:3
Brightness	350 nits, Optional 1000 nit High Brightness
Contrast Ratio	1000:1
Viewing Angle	160° (H), 160° (V)
Number of Colors Supported	262K

Thermal and Environmental

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
Cooling Solution	Passive – Fanless with Heatsink

Touch Screen

Touch Screen	Projected Capacitive, Resistive
Light Transmission	Over 80% (Resistive), Over 90% (P-Cap)
Lifetime Usage	40,000 hrs

External I/O ports

USB	2x USB 2.0, 2x USB 3.2
Serial / Com	1x COM
Serial Protocol Detail	RS-232/422/485 (Default RS-232; select via BIOS)
Ethernet / LAN	2x RJ45 2.5 GbE LAN
Video Outputs	1x DisplayPort, supports DP++
Audio	1x Audio Line-Out
Power Input Port	3-Pin DC-In (Phoenix Type)

Power

Input Voltage Range	9-36V DC
Standard Power Adapter	Optional 12V AC/DC Adapter, 5A, 60W

Battery

Operating Systems

Windows	Windows 11 Pro, Windows 10 IoT, Windows 10 Pro
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Compatibility

Enclosure

Material	Aluminum
Ip Rating	IP66 Front Bezel
Color	Gray
Mounting Options	Panel Mount, VESA 75 Mount

Peripherals & Wireless Connectivity

WiFi	Optional WiFi
BlueTooth	Optional Bluetooth 4.0

Dimensions / Weight

Weight	1.1 KG (2.4 lbs)
Dimensions	202x149x40 mm (8.0 x 5.9 x 1.6 in)

Certification

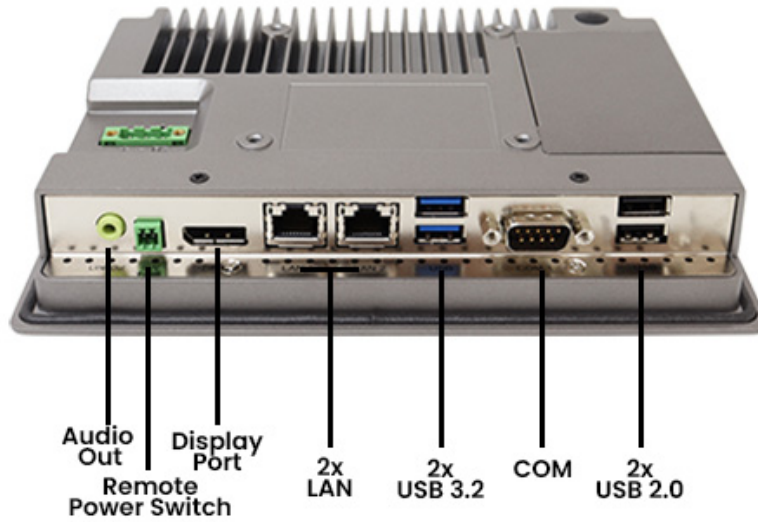
Warranty

Warranty	Up to 5 Years
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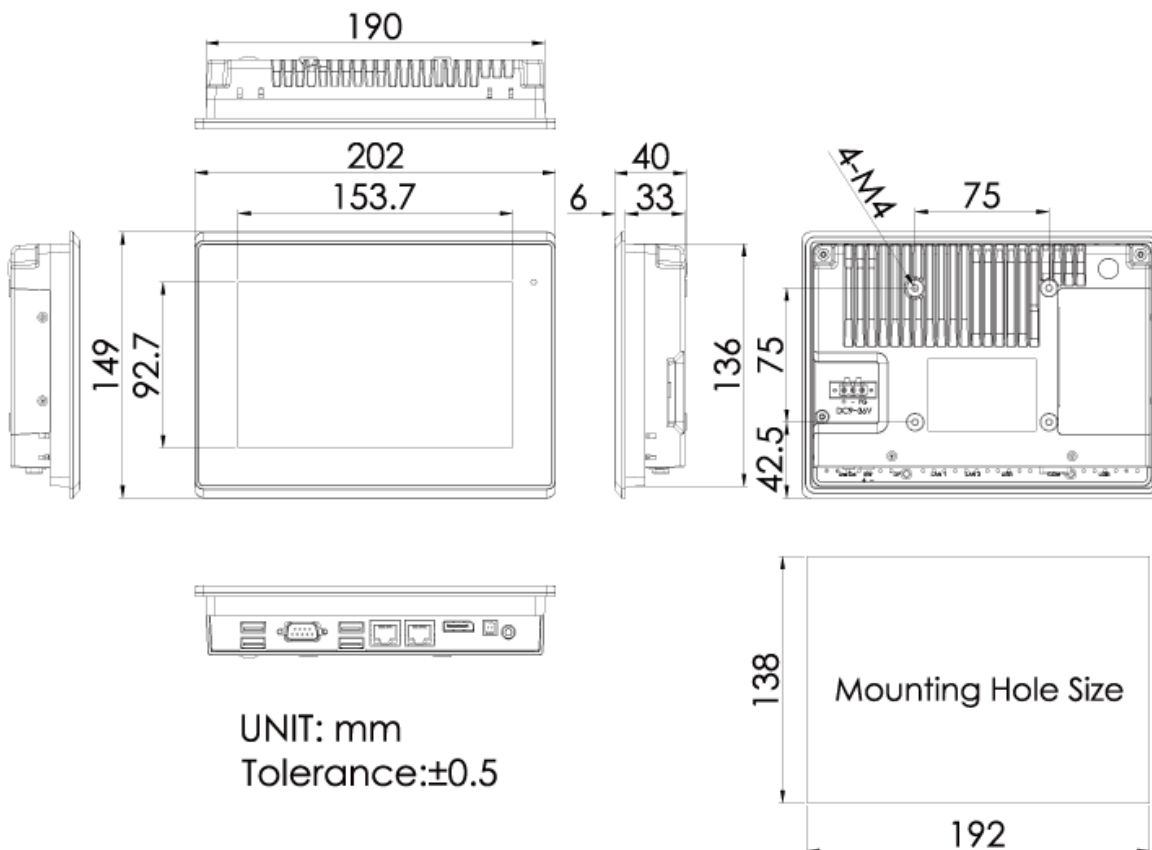
Filters

Main Category Filter	Industrial Computer
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Inputs / Outputs



Technical Drawings



All specifications are subject to change without notice.