



Features

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

Technical Specifications

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

Display

Screen Size	8"
Screen Resolution	800 x 600 (SVGA)
Screen Ratio	4:3
Brightness	350 nits, Optional 1000 nit High Brightness

Touch Screen

Touch Screen	Projected Capacitive, Resistive
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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 Ports	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

Operating Systems

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

Expansion Slots

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

Thermal & Environmental

Operating Temperature 0°C - 50°C (32°F – 122°F), -20°C - 60°C (Optional -4°F – 140°F)
Storage Temperature -30°C - 70°C (-22°F – 158°F)
Cooling Solution Passive – Fanless with Heatsink
Humidity Range 10% – 95% Non-condensing

Enclosure

Material Aluminum
IP Rating IP66 Front Bezel
Color Gray
Mounting Options Panel Mount, VESA 100 Mount

Peripherals & Wireless Connectivity

WiFi Optional WiFi
Bluetooth Optional Bluetooth 4.0

Weight / Dimensions

Weight 1.9 kg (4.2 lbs)
Dimensions 231 x 176 x 50 mm (9.1 x 6.9 x 2.0 in)

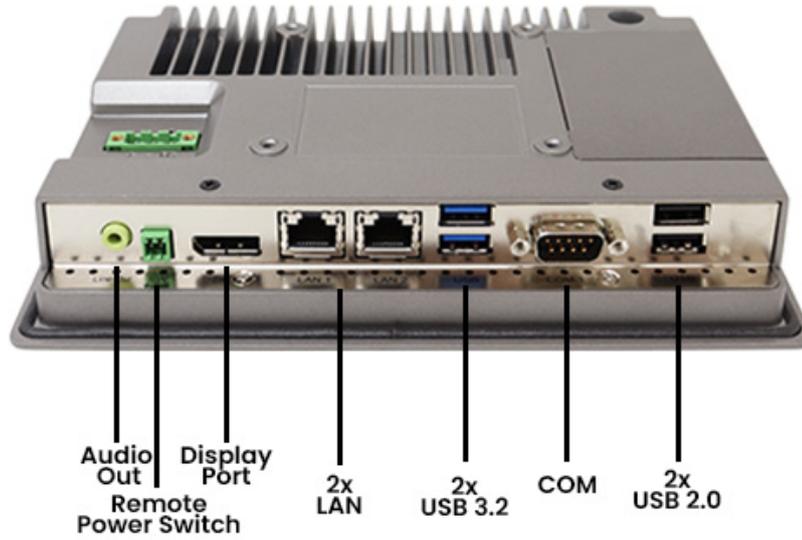
Certification

Certifications CE, FCC, UL 62368

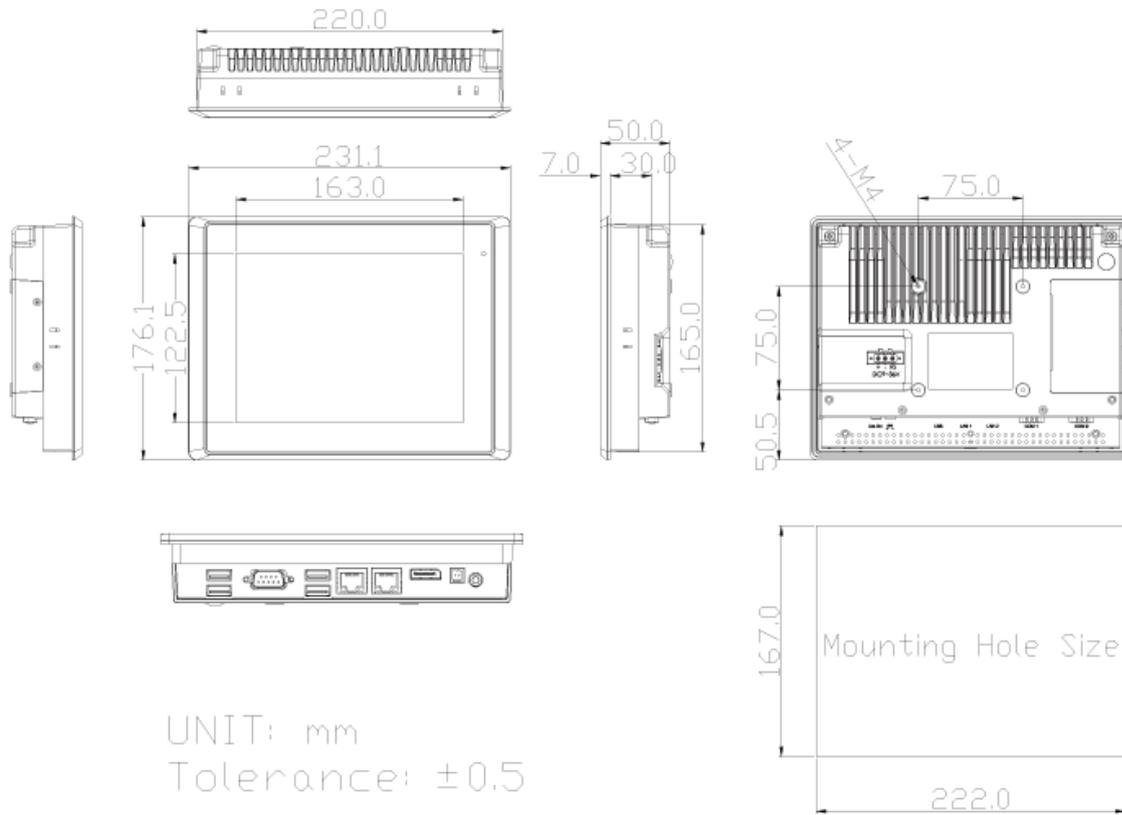
Warranty

Warranty Up to 5 Years

I/O Diagram Images



Tech Diagram Images



All specifications are subject to change without notice.