



Features

- 12.1” Resistive or PCAP Touchscreen
- Intel Celeron J6412 Quad Core Processor
- Designed for flexible IO expansion
- 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	Up to 2.6 GHz, 2.0 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	12.1"
Screen Resolution	1024 x 768 (XGA)
Screen Ratio	4:03
Brightness	Optional 1000 nit High Brightness, 500 nits

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	Optional POE++, 45W with 2x USB 2.0, 2-Pin Power Switch, 3-Pin DC-In (Phoenix Type)

Power

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

Battery

Battery TypeOptional Internal Battery

Operating Systems

WindowsWindows 10 IoT, Windows 10 Pro, Windows 11 Pro

Expansion Slots

Internal M.21x M.2 2230 Key E (for WiFi expansion option)

Multimedia

SpeakersOptional Speaker

Thermal & Environmental

Operating Temperature0°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 SolutionPassive – Fanless with Heatsink
Humidity Range10% – 95% Non-condensing

Enclosure

MaterialAluminum
IP RatingIP66 Front Bezel
ColorGray
Mounting OptionsPanel Mount, VESA 100 Mount

Peripherals & Wireless Connectivity

WiFiOptional WiFi
BluetoothOptional Bluetooth 4.0

Weight / Dimensions

Weight2.8 kg (6.2 lbs)
Dimensions319 x 245 x 51.7 mm (12.6 x 9.6 x 2.0 in)

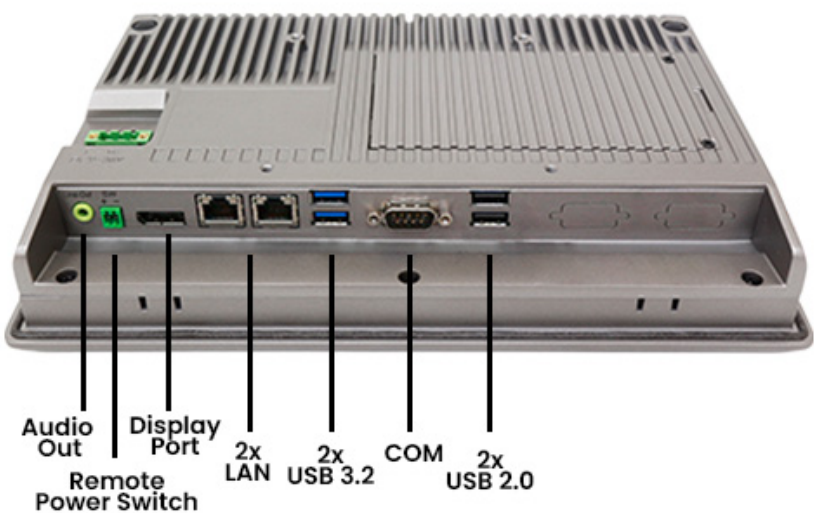
Certification

CertificationsCE, FCC, UL 62368

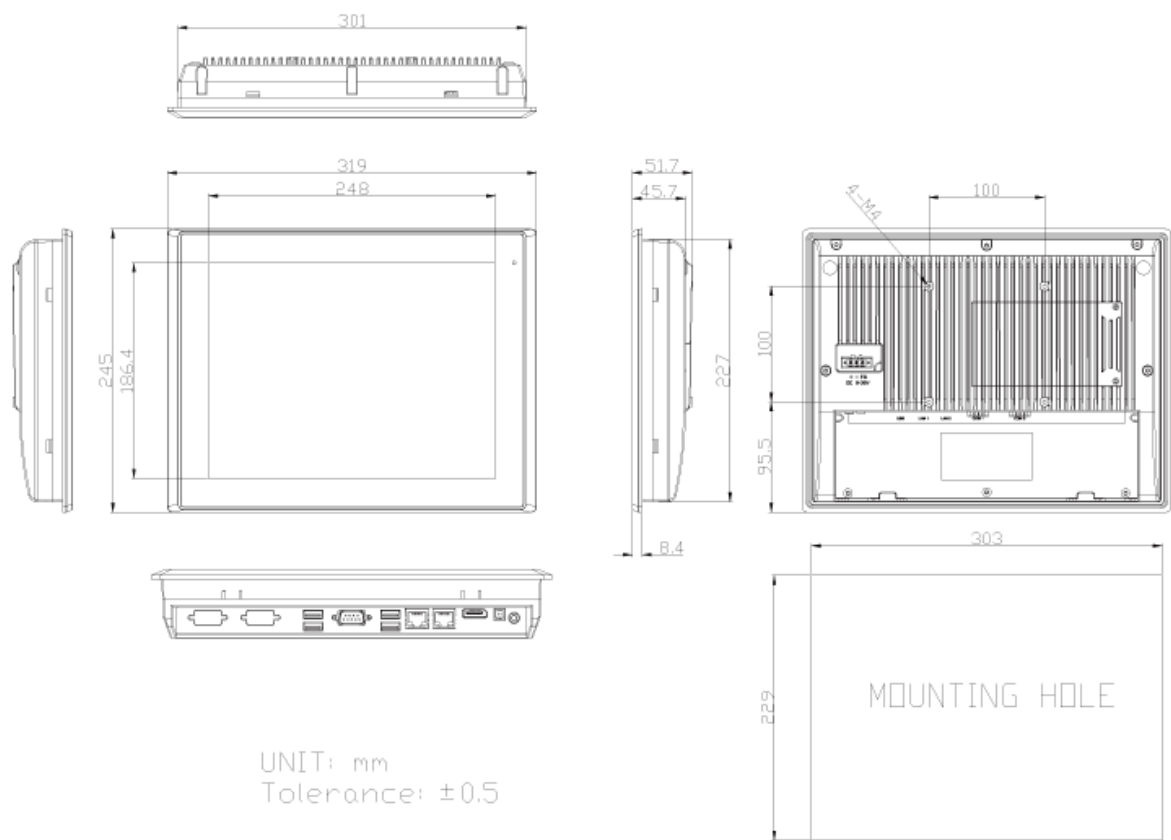
Warranty

Warranty Up to 5 Years

I/O Diagram Images



Tech Diagram Images



All specifications are subject to change without notice.