



## Features

- 12.1" Wide 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	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	12.1"
Screen Resolution	1280 x 800 (WXGA)
Screen Ratio	16:10
Brightness	600 nits, Optional 1000 nit High Brightness

### Touch Screen

Touch Screen	Projected Capacitive, Resistive
--------------	---------------------------------

### 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

## Battery

Battery Type Optional Internal Battery

## 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)

## Multimedia

Speakers Optional Speaker

## 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

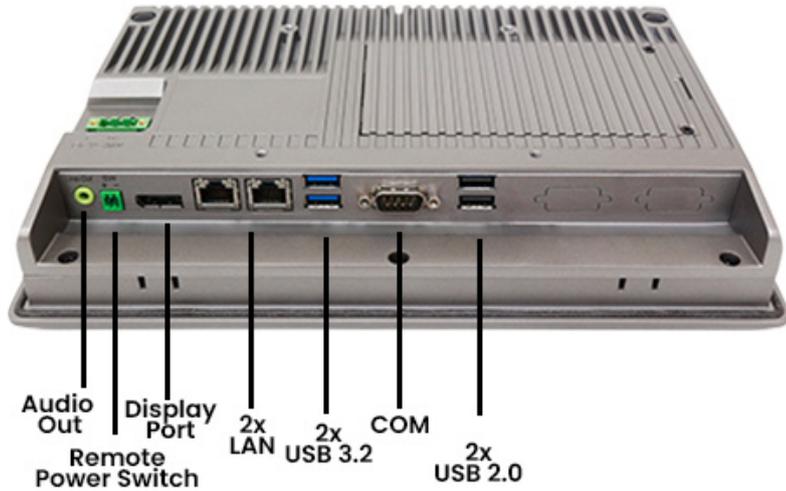
Weight 3.1 kg (6.8 lbs)

Dimensions 328 x 57.6 x 227 mm (12.9 x 2.3 x 8.9 in)

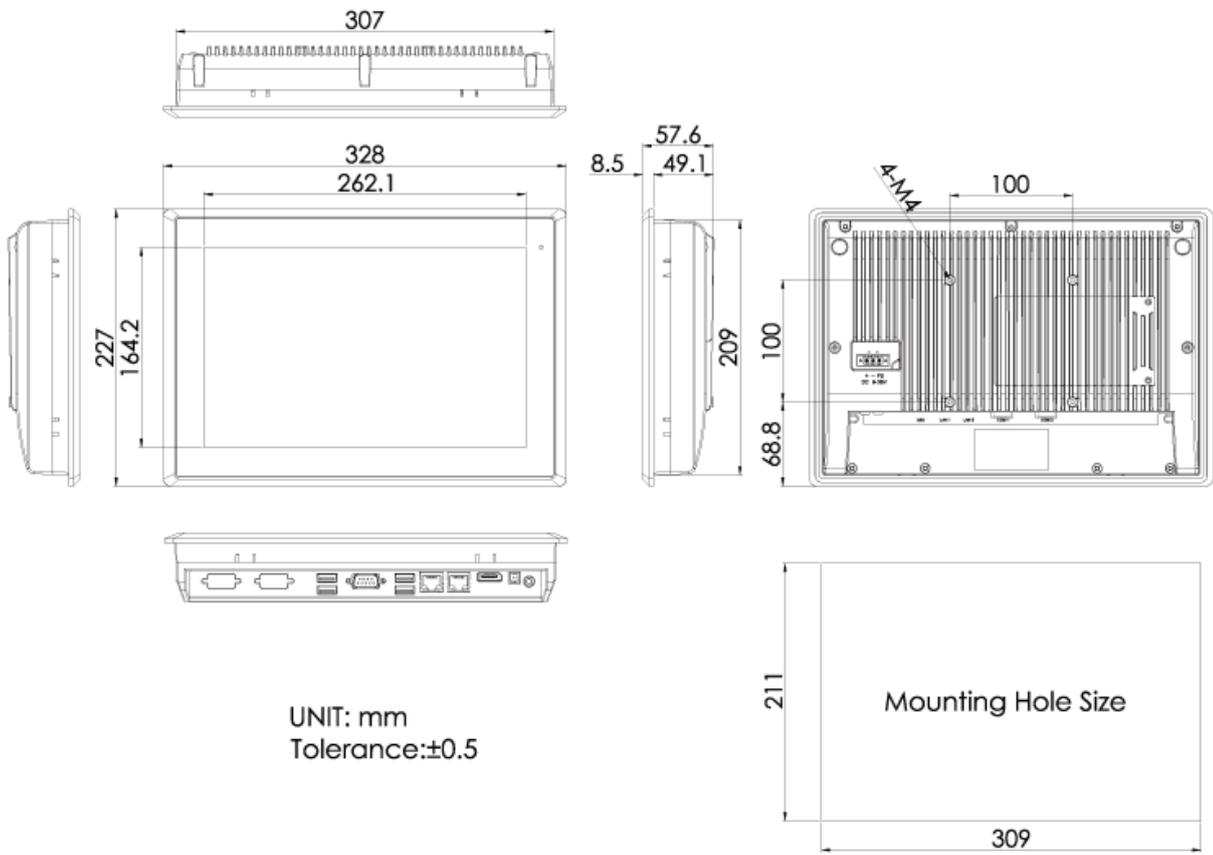
## Warranty

Warranty Up to 5 Years

I/O Diagram Images



Tech Diagram Images



All specifications are subject to change without notice.