



Features

- 18.5" Resistive or PCAP Touchscreen
- Die Cast Aluminum Housing and IP66 Rated Front Bezel
- Designed for flexible IO expansion
- Windows 11 Capabilities

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 | 18.5" |
| Screen Resolution | 1920 x 1080 (Full HD) |
| Screen Ratio | 16:9 |
| Brightness | 350 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 6.6 kg (14.6 lbs)

Dimensions 500 x 60 x 315 mm (19.7 x 2.4 x 12.4 in)

Certification

Certifications CE, FCC, UL 62368

Warranty

Warranty

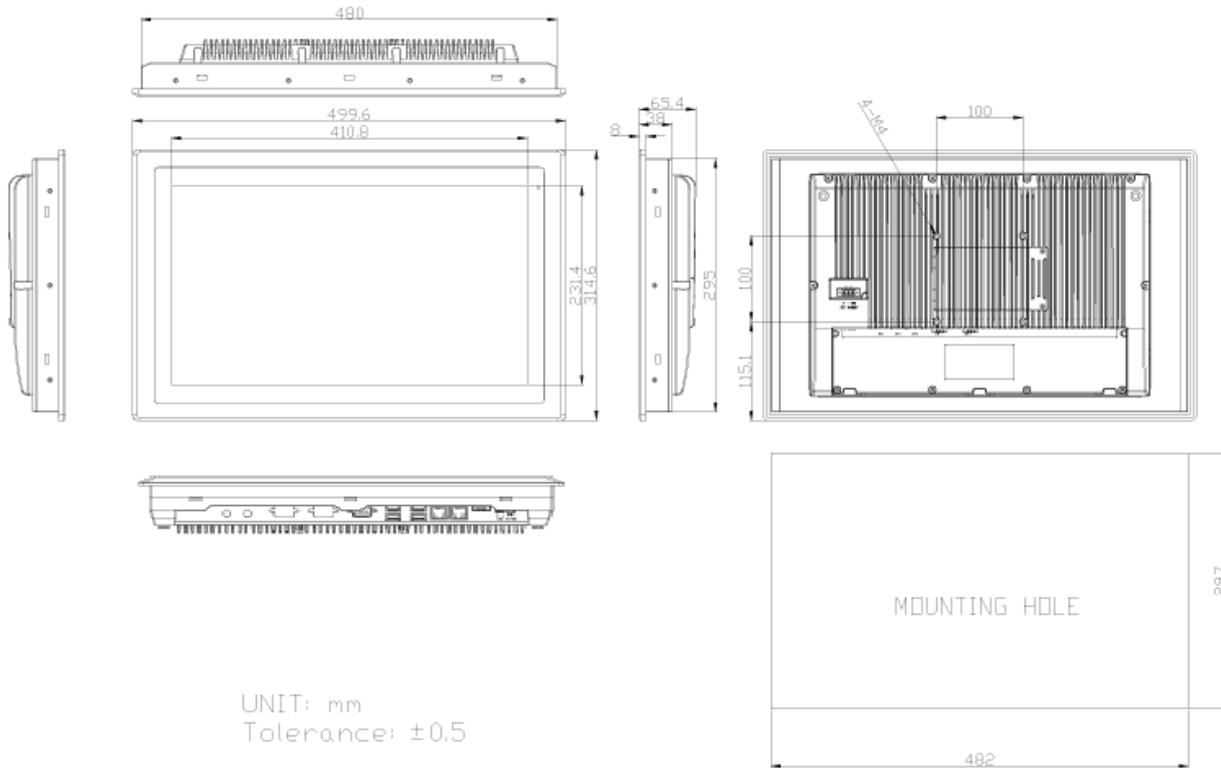
Up to 5 Years

I/O Diagram Images



- | | |
|------------------------------|-----------------------|
| A DC In | E LAN (x2) |
| B Audio Line Out | F USB 3.2 (x2) |
| C Remote Power Switch | G COM |
| D Display Port | H USB 2.0 (x2) |

Tech Diagram Images



UNIT: mm
Tolerance: ±0.5

All specifications are subject to change without notice.