



Features

- 12.1" Resistive or PCAP Touchscreen
- Intel Celeron J6412 Processor
- Windows 11 Operating System
- IP66/IP69K Stainless Steel Front Bezel
- Fanless and Lightweight Design

Technical Specifications

General

Expansion Slots

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

Primary Components

Multimedia

|                  |                                                  |
|------------------|--------------------------------------------------|
| Processor Family | Intel Celeron Elkhart Lake                       |
| Processor Model  | Celeron J6412 Quad                               |
| Processor Speed  | 2.0 GHz                                          |
| Memory Type      | 1x DDR4 SO-DIMM                                  |
| Memory Support   | 4GB, 8GB, 16GB, 32GB                             |
| Storage type     | 1x M.2 M Key, PCIe or SATA, 2242 default or 2280 |
| Storage support  | 128GB-1TB                                        |

Display

Thermal and Environmental

|                            |                                                        |
|----------------------------|--------------------------------------------------------|
| Screen Size                | 12.1"                                                  |
| Resolution                 | 1024 x 768 (XGA)                                       |
| Screen Ratio               | 4:3                                                    |
| Brightness                 | 450 nits, Optional 1000 nit High Brightness            |
| Contrast Ratio             | 700:1                                                  |
| Viewing Angle              | 178° (H), 178° (V), 160° (H), 140° (V) High Brightness |
| Number of Colors Supported | 16.2M                                                  |

|                       |                                             |
|-----------------------|---------------------------------------------|
| 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                    |
| Storage Humidity      | 10% – 90% Non-condensing                    |
| Cooling Solution      | Passive – Fanless                           |

Touch Screen

|                    |                                        |
|--------------------|----------------------------------------|
| Touch Screen       | Projected Capacitive, Resistive        |
| Light Transmission | Over 80% (Resistive), Over 90% (P-Cap) |
| Lifetime Usage     | 30,000 hrs                             |

Enclosure

|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| Material         | Aluminum, SUS304 Stainless Steel, Optional SUS316 Stainless Steel |
| Ip Rating        | IP66 Front Bezel, IP69K Front Bezel                               |
| Color            | Silver, Stainless Steel                                           |
| Mounting Options | Panel Mount, VESA 100 Mount                                       |

External I/O ports

|                        |                                              |
|------------------------|----------------------------------------------|
| USB                    | 2x USB 2.0, 2x USB 3.2                       |
| Serial / Com           | 1x COM                                       |
| Serial Protocol Detail | 1x RS-232/422/485 DB-9, default RS-232(COM1) |
| Ethernet / LAN         | 2x RJ45 2.5 GbE LAN                          |
| Video Outputs          | 1x DisplayPort                               |
| Audio                  | 1x Audio Line-Out                            |
| Power Input Port       | DC-in Jack (Phoenix Type)                    |

Peripherals & Wireless Connectivity

|           |                                                       |
|-----------|-------------------------------------------------------|
| WiFi      | Optional 802.11 ac + Bluetooth with External Antennas |
| BlueTooth | Optional Bluetooth 4.0                                |

Power

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

Dimensions / Weight

|            |                                          |
|------------|------------------------------------------|
| Weight     | 3.4 KG (7.5 lbs)                         |
| Dimensions | 331 x 257 x 52 mm (13.0 x 10.1 x 2.0 in) |

Battery

Certification

|                |                                                              |
|----------------|--------------------------------------------------------------|
| Certifications | CE, EN 1672-2 Complaint (PCAP Touchscreen Only), FCC Class A |
|----------------|--------------------------------------------------------------|

Operating Systems

|         |                                            |
|---------|--------------------------------------------|
| Windows | Windows 11, Windows 10 IoT, Windows 10 Pro |
|---------|--------------------------------------------|

Warranty

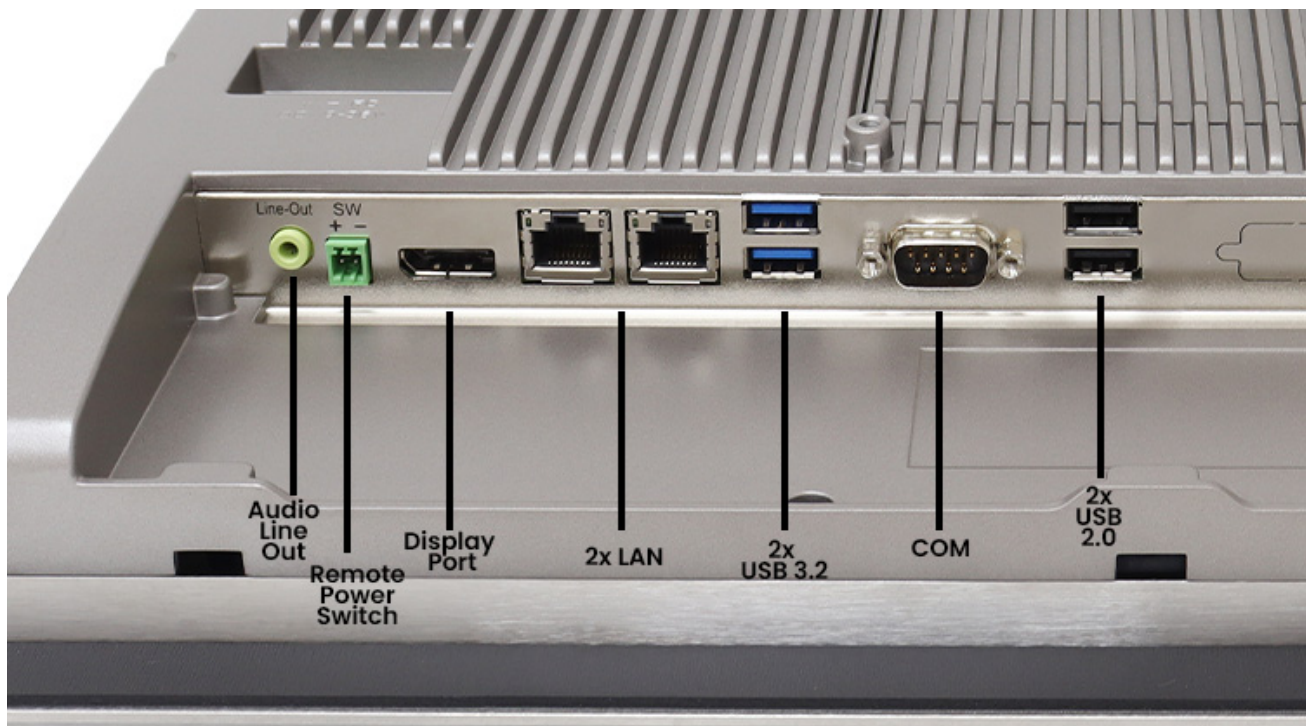
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|----------|---------------|
| Warranty | Up to 5 Years |
|----------|---------------|

Compatibility

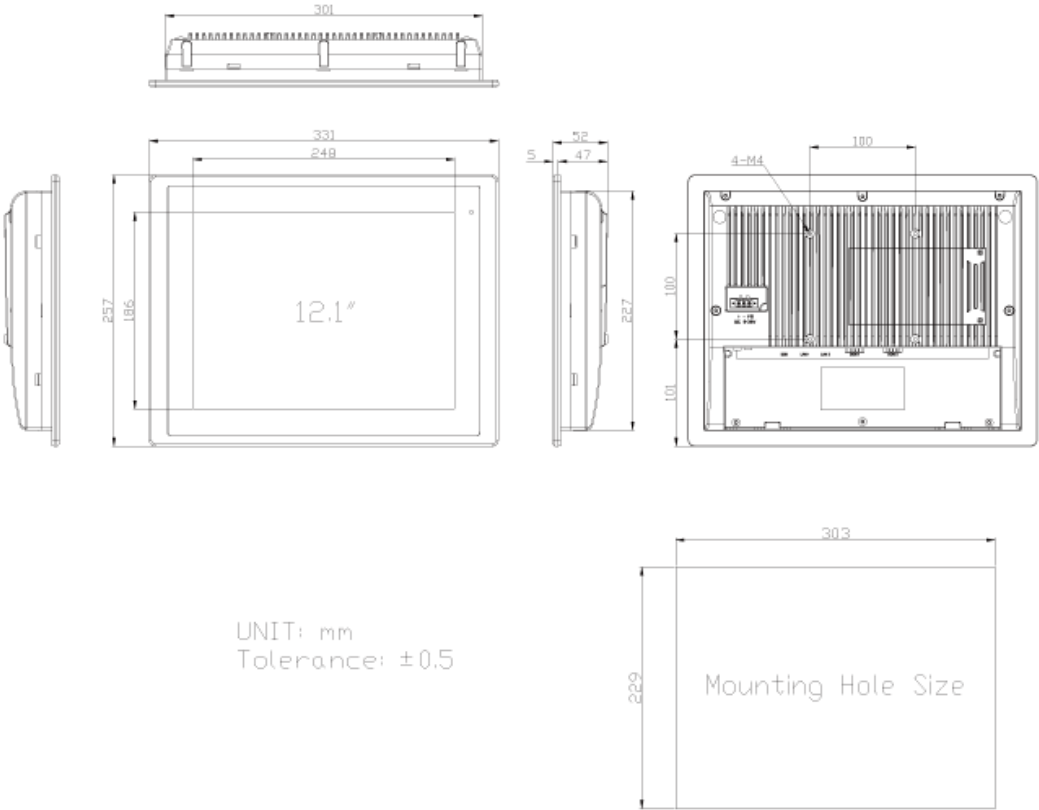
Filters

|                      |                     |
|----------------------|---------------------|
| Main Category Filter | Industrial Computer |
|----------------------|---------------------|

## Inputs / Outputs



Technical Drawings



All specifications are subject to change without notice.