



## Features

- 12" Display with 800 x 600 Resolution
- Bay Trail Celeron J1900 Quad-Core CPU
- Highly Reliable Thermal Design for 24/7 Use
- Resistive Touchscreen with IP66 Front Bezel
- 2 Mini PCIe Sockets for add-on Expansion

## Technical Specifications

### Primary Components

|                  |                                    |
|------------------|------------------------------------|
| Processor Family | Intel Celeron Bay Trail            |
| Processor Model  | J1900 Quad Core                    |
| Processor Speed  | 2.0 GHz                            |
| Memory Type      | 2x DDR3L SO-DIMM                   |
| Memory Support   | 2GB, 4GB, 8GB                      |
| Storage type     | 1x 2.5" SATA Drive Bay for SSD/HDD |
| Storage support  | 32GB-1TB                           |

### Display

|                            |                    |
|----------------------------|--------------------|
| Screen Size                | 12"                |
| Resolution                 | 800 x 600 (SVGA)   |
| Screen Ratio               | 4:3                |
| Brightness                 | 450 nits           |
| Contrast Ratio             | 700:1              |
| Viewing Angle              | 160° (H), 140° (V) |
| Number of Colors Supported | 16.7M              |

### Touch Screen

|              |           |
|--------------|-----------|
| Touch Screen | Resistive |
|--------------|-----------|

### Expansion Slots

|                    |              |
|--------------------|--------------|
| Internal Mini PCIe | 2x Mini-PCIe |
|--------------------|--------------|

### Multimedia

### Thermal and Environmental

|                       |                                 |
|-----------------------|---------------------------------|
| Operating Temperature | Array (32°F – 122°F)            |
| Storage Temperature   | Array (-4°F – 149°F)            |
| Humidity Range        | 10% – 90% Non-condensing        |
| Cooling Solution      | Passive – Fanless with Heatsink |

**External I/O ports**

|                        |   |
|------------------------|---|
| USB                    | 3x USB 2.0, 1x USB 3.0  |
| Serial / Com           | 3x COM  |
| Serial Protocol Detail | 2x RS-232, 1x RS-232/422/485 (RS485 supports auto flow control) |
| Ethernet / LAN         | 2x RJ45 GbE LAN   |
| Audio                  | 1x 3.5mm Audio Line-Out, 1x 3.5mm Microphone Jack               |
| Power Input Port       | 4-Pole DIN (latching)   |

**Power**

|                        |   |
|------------------------|---|
| Input Voltage Range    | 7-32V DC                                  |
| Max Power consumption  | 28.2W                                     |
| Standard Power Adapter | AC 90~264V / 47~63Hz / DC Output 12V, 57W |

**Battery**

**Operating Systems**

|         |   |
|---------|---|
| Windows | Windows 10 IoT, Windows 10 Pro, Windows 7 Pro |
|---------|---|

**Compatibility**

|                   |                  |
|-------------------|------------------|
| Security Hardware | Optional TPM 2.0 |
|-------------------|------------------|

**Enclosure**

|                  |   |
|------------------|---|
| Material         | Aluminum, Optional Stainless Steel Bezel, Steel |
| Ip Rating        | IP66 Front Bezel                                |
| Mounting Options | Panel Mount, VESA Mount                         |

**Peripherals & Wireless Connectivity**

|      |               |
|------|---------------|
| WiFi | Optional WLAN |
|------|---------------|

**Dimensions / Weight**

|            |  |
|------------|--|
| Weight     | 4.5 KG (9.9 lbs)                         |
| Dimensions | 369 x 290 x 55 mm (14.5 x 11.4 x 2.2 in) |

**Certification**

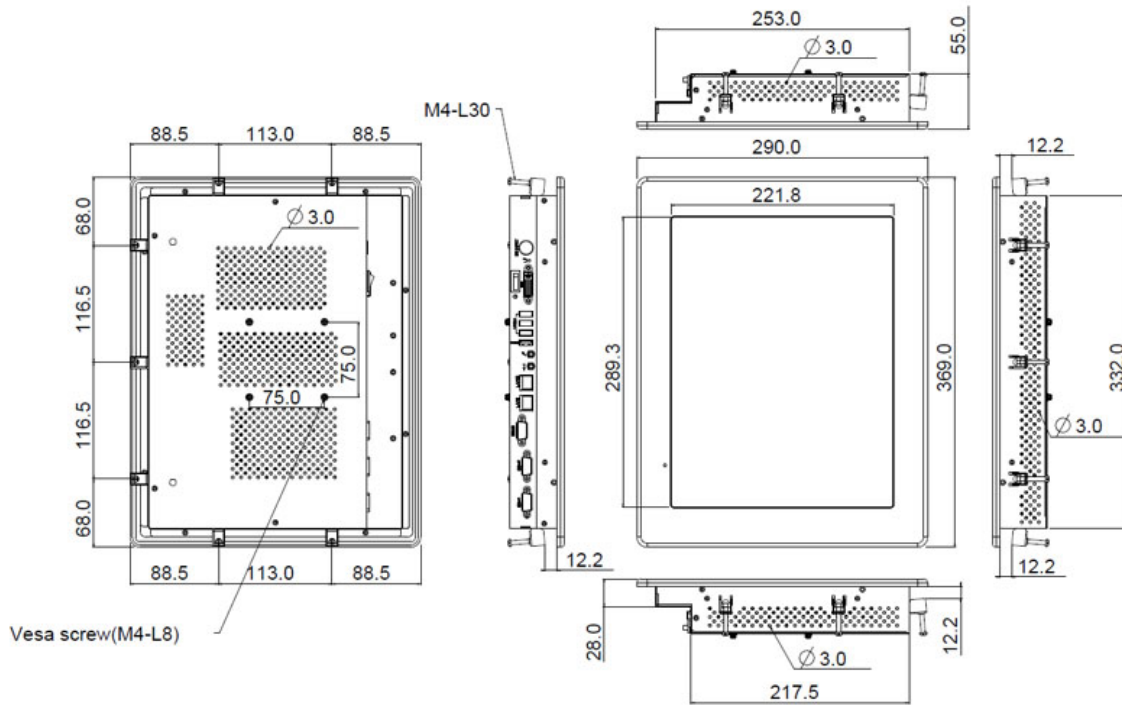
**Warranty**

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

**Inputs / Outputs**



Technical Drawings



*All specifications are subject to change without notice.*