



Features

- 19" Full-Flat Touchscreen
- IP66 / IP69K Rated
- Intel Celeron J6412 CPU with Windows 11 Capabilities
- Waterproof Connectors and Power Supply
- Fanless and Fully Sealed Design

Technical Specifications

General

Main Category      Industrial Computer

Expansion Slots

Internal M.2      1x M.2 2230 Key E (for WiFi expansion option), 1x M.2 3042/3052 Key B (For 4G/5G Cellular expansion option)

Primary Components

Processor Family      Intel Celeron Elkhart Lake  
Processor Model      Celeron J6412  
Processor Speed      Up to 2.6 GHz  
Memory Type      2x DDR4 SO-DIMM  
Memory Support      4GB, 8GB, 16GB, 32GB  
Storage type      1x 2.5" SATA Drive Bay for SSD/HDD, 1x M.2 SATA3 2280 Slot  
Storage support      64GB-2TB

Multimedia

Speakers      Optional Speaker

Display

Screen Size      19"  
Resolution      1280 x 1024 (SXGA)  
Screen Ratio      5:4  
Brightness      350 nits

Thermal and Environmental

Operating Temperature      Array (32°F – 122°F)  
Storage Temperature      Array (-4°F – 140°F)  
Humidity Range      10% – 90% Non-condensing  
Storage Humidity      10% – 90% Non-condensing  
Cooling Solution      Passive – Fanless

Touch Screen

|                    |                                                      |
|--------------------|------------------------------------------------------|
| Touch Screen       | 5 Wire Resistive, Projected Capacitive (Multi-touch) |
| Light Transmission | 80±5% (Resistive), >86% (P-Cap)                      |
| Hardness           | Resistive: 3H, P-cap: 7H                             |

Enclosure

|                  |                                                         |
|------------------|---------------------------------------------------------|
| Material         | SUS304 Stainless Steel, Optional SUS316 Stainless Steel |
| Ip Rating        | IP66, IP69K, NEMA 4X, Optional IP67                     |
| Color            | Stainless Steel                                         |
| Control Buttons  | Power Button                                            |
| Mounting Options | Table Mount, VESA 100 Mount, Wall Mount                 |

External I/O ports

|                        |                                                                         |
|------------------------|-------------------------------------------------------------------------|
| USB                    | 2x M12 8Pin for USB 1/2 and USB 3/4                                     |
| Serial / Com           | 2x M12 8-pin for COM                                                    |
| Serial Protocol Detail | 2x RS-232/422/485 (configured in BIOS)                                  |
| Ethernet / LAN         | 1x M12 8 pin RJ45 2.5Gbit LAN                                           |
| Other Ports            | M12 Ports can be configured as needed. Example: 2nd LAN or 3rd COM port |
| Power Input Port       | M12 type 5-PIN DC-in                                                    |

Peripherals & Wireless Connectivity

|                 |                                                                  |
|-----------------|------------------------------------------------------------------|
| WiFi            | Optional WiFi + Bluetooth Flat Antenna Kit, Supports WIFI 6 (AX) |
| BlueTooth       | Optional Bluetooth 5.2                                           |
| Barcode Scanner | Optional 1D/2D Barcode Scanner                                   |

Power

|                        |                                    |
|------------------------|------------------------------------|
| Input Voltage Range    | 12-28V DC                          |
| Standard Power Adapter | AC 100~240V / 47 ~ 63Hz, IP68, 60W |

Dimensions / Weight

|            |                                      |
|------------|--------------------------------------|
| Weight     | 11.5 KG (25.4 lbs)                   |
| Dimensions | 458x386x64 mm (18.0 x 15.2 x 2.5 in) |

Battery

Certification

|                |                       |
|----------------|-----------------------|
| Certifications | CE, FCC, VCCI Class B |
|----------------|-----------------------|

Operating Systems

Warranty

|         |                                                                           |
|---------|---------------------------------------------------------------------------|
| Windows | Windows 11 Pro, Windows 10 IoT, Windows 10 Pro                            |
| Linux   | Linux Ubuntu 20.04 or above (Contact your sales rep for more information) |

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

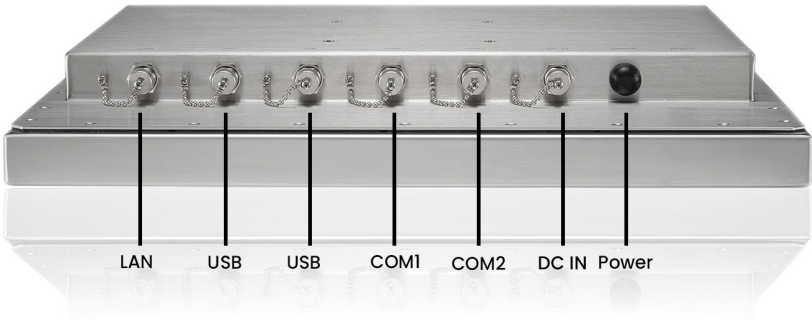
Compatibility

Filters

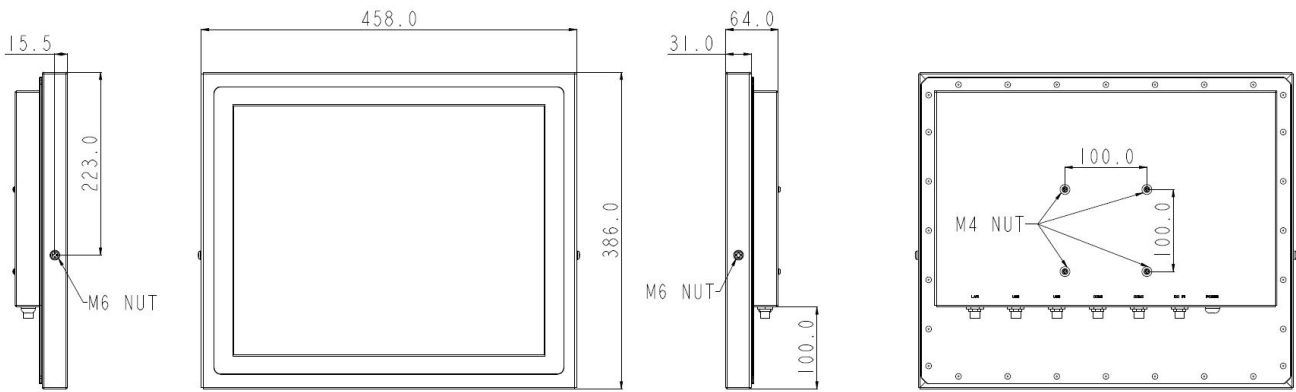
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|-------------------|----------|
| Security Hardware | fTPM 2.0 |
|-------------------|----------|

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

Inputs / Outputs



Technical Drawings



*All specifications are subject to change without notice.*