



## Features

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

## Technical Specifications

### 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

### Display

Screen Size	19
Screen Ratio	5:4
Brightness	350 nits

### Touch Screen

Touch Screen	5 Wire Resistive, Projected Capacitive (Multi-touch)
Hardness	Resistive: 3H, P-cap: 7H

### 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

### Power

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

## Operating Systems

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

## Compatibility

Security Hardware	fTPM 2.0
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## 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)
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## Multimedia

Speakers	Optional Speaker
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## Thermal & Environmental

Operating Temperature	0°C - 50°C (32°F – 122°F)
Storage Temperature	-20°C - 60°C (-4°F – 140°F)
Cooling Solution	Passive – Fanless
Humidity Range	10% – 90% Non-condensing
Storage Humidity	10% – 90% Non-condensing

## Enclosure

Material	Optional SUS316 Stainless Steel, SUS304 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

## 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

## Weight / Dimensions

Weight	11.5 kg (25.4 lbs)
Dimensions	458 x 386 x 64 mm (18.0 x 15.2 x 2.5 in)

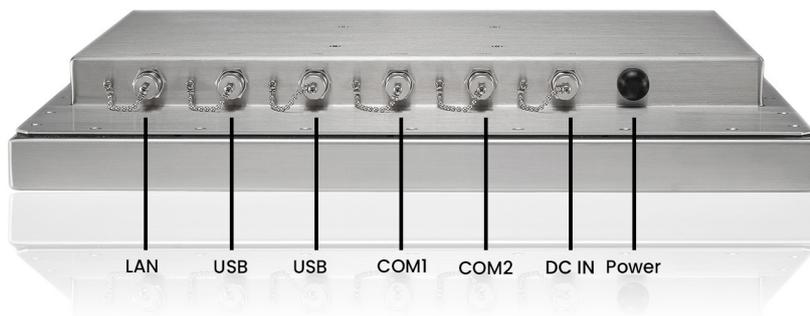
### Certification

Certifications CE, FCC, VCCI Class B

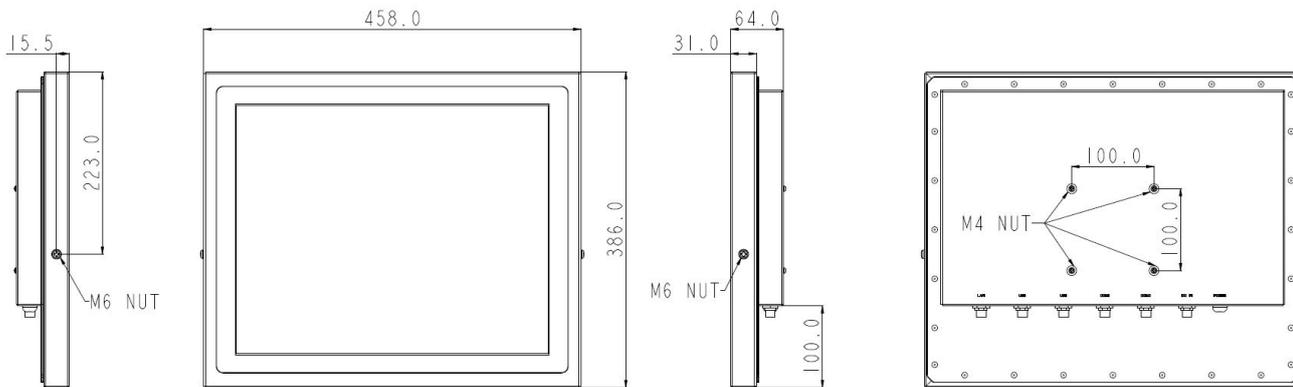
### Warranty

Warranty Up to 5 Years

I/O Diagram Images



Tech Diagram Images



*All specifications are subject to change without notice.*