Features

- 21.5” Full-Flat Touchscreen
- Waterproof Connectors and Power Supply
- Intel Celeron J6412 CPU with Windows 11 Capabilities
- Fanless and Fully Sealed Design

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	21.5
Screen Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	250 nits

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch), 5 Wire Resistive
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

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)

Multimedia

Speakers	Optional Speaker

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	12 kg (26.5 lbs)
Dimensions	557 x 349 x 59 mm (21.9 x 13.7 x 2.3 in)

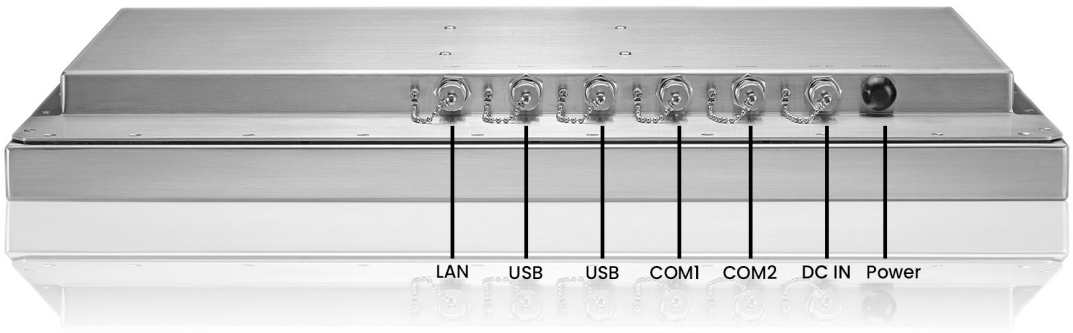
Certification

Certifications	CE, FCC, VCCI

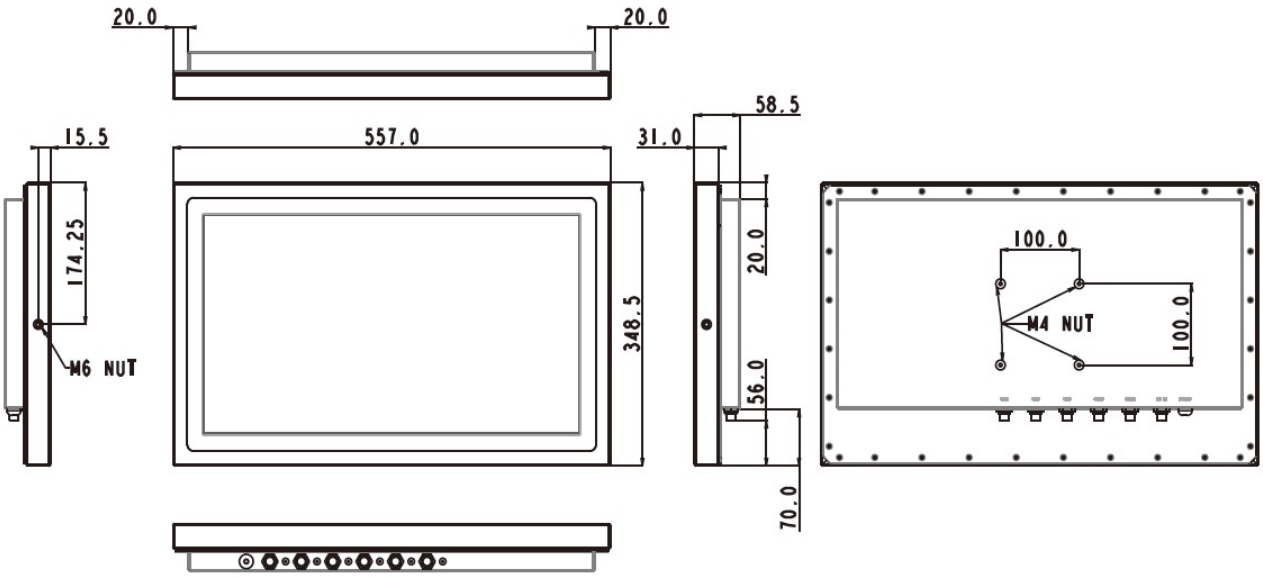
Warranty

Warranty	Up to 5 Years

I/O Diagram Images



Tech Diagram Images



All specifications are subject to change without notice.