

Features



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

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 21.5"
Resolution 1920 x 1080 (Full HD)
Screen Ratio 16:9
Brightness 250 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	12 KG (26.5 lbs)
Dimensions	557x349x59 mm (21.9 x 13.7 x 2.3 in)

Battery

Certification

Certifications	CE, FCC, VCCI
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Operating Systems

Warranty

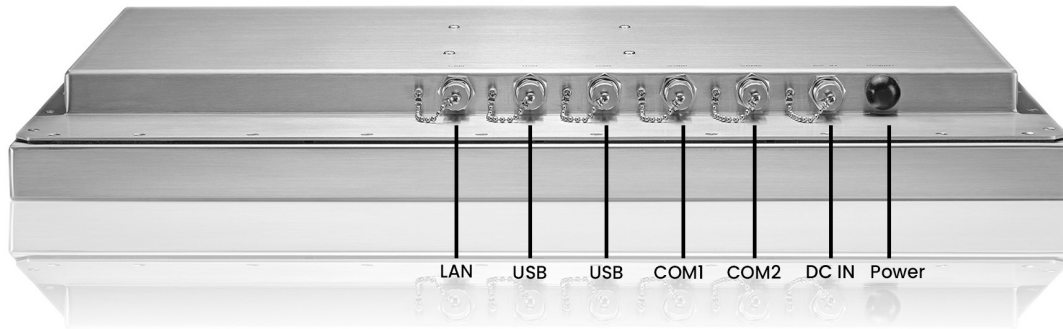
Windows	Windows 11 Pro, Windows 10 IoT, Windows 10 Pro	Warranty	Up to 5 Years
Linux	Linux Ubuntu 20.04 or above (Contact your sales rep for more information)		

Compatibility

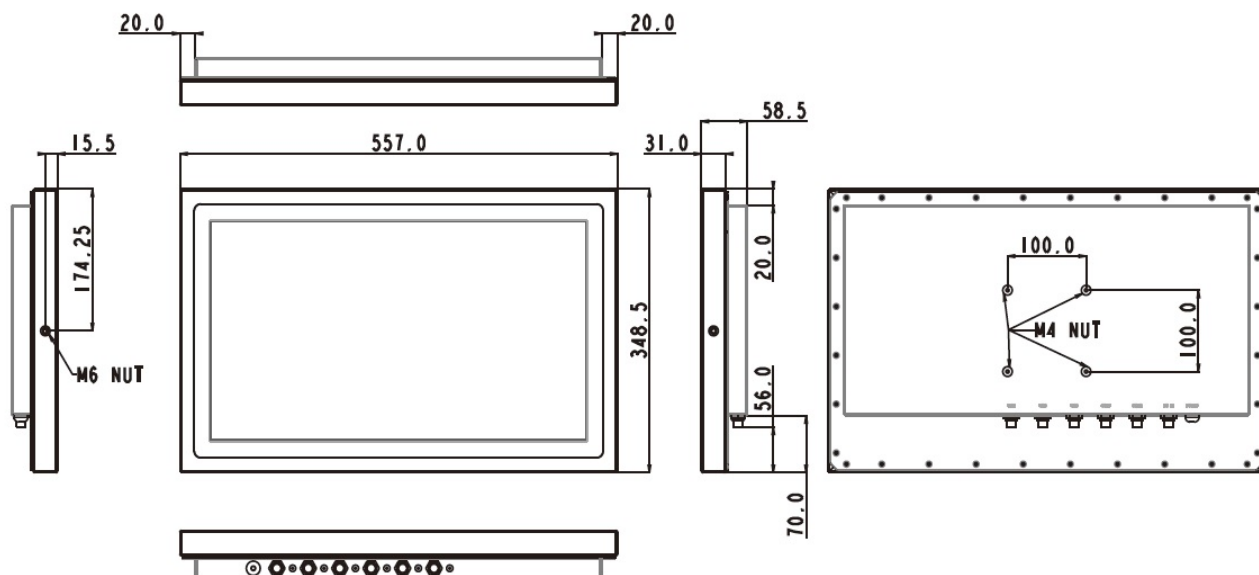
Filters

Security Hardware	fTPM 2.0	Main Category Filter	Industrial Computer
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Inputs / Outputs



Technical Drawings



All specifications are subject to change without notice.