



Features

- 22” Resistive or P-Capacitive Touchscreen Display
- Multiple Inputs and Outputs including 4x USB, 1 Gb LAN, 2.5 Gb LAN, 3x COM and more
- Fanless Cooling System
- Windows 11 Capabilities

Technical Specifications

Primary Components

Processor Family	Intel Celeron Elkhart Lake
Processor Model	Celeron J6412
Processor Speed	2.0 GHz
Memory Type	2x DDR4 SO-DIMM
Memory Support	32GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD (Internal, not with removable drive in use), 1x M.2 SATA3 2280 Slot
Storage Support	M.2: 128GB-1TB

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), Resistive
Hardness	Resistive: 3H, P-cap: 7H

External I/O Ports

USB	2x USB 2.0, 2x USB 3.2
Serial / Com	3x COM
Serial Protocol Detail	1x RS-232, 2x RS-232/422/485
Ethernet / LAN	1x RJ45 2.5 GbE LAN, 1x RJ45 GbE LAN
Video Outputs	1x HDMI, 1x VGA
Audio Ports	2x 3.5mm Audio Line-Out/Mic-In
Power Input Port	4-Pole DIN (latching)

Power

Input Voltage Range	12-28V DC
Max Power Consumption	64.7W
Standard Power Adapter	60 watts, 100 ~240V AC in, 19V DC out

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 IoT, Windows 11 Pro
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Compatibility

Security Hardware	Optional TPM 2.0
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Expansion Slots

Internal M.2	1x M.2 Type B, 1x M.2 Type E
Other	1x SIM socket connected to M.2 B-Key

Thermal & Environmental

Operating Temperature	0°C - 45°C (32°F – 113°F)
Storage Temperature	-20°C - 65°C (-4°F – 149°F)
Cooling Solution	Passive – Fanless with Heatsink
Humidity Range	10% – 90% Non-condensing
Storage Humidity	10% – 90% Non-condensing

Enclosure

Material	Aluminum front bezel and SECC Steel Chassis
IP Rating	IP66 Front Bezel
Color	Black
Control Buttons	Power Reset
Mounting Options	VESA 75 Mount

Peripherals & Wireless Connectivity

Sim Card	1x SIM Card Slot
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Weight / Dimensions

Weight	9.6 kg (21.2 lbs)
Dimensions	584.5 x 364.2 x 77.5 mm (23.0 x 14.3 x 3.1 in)

Certification

Certifications

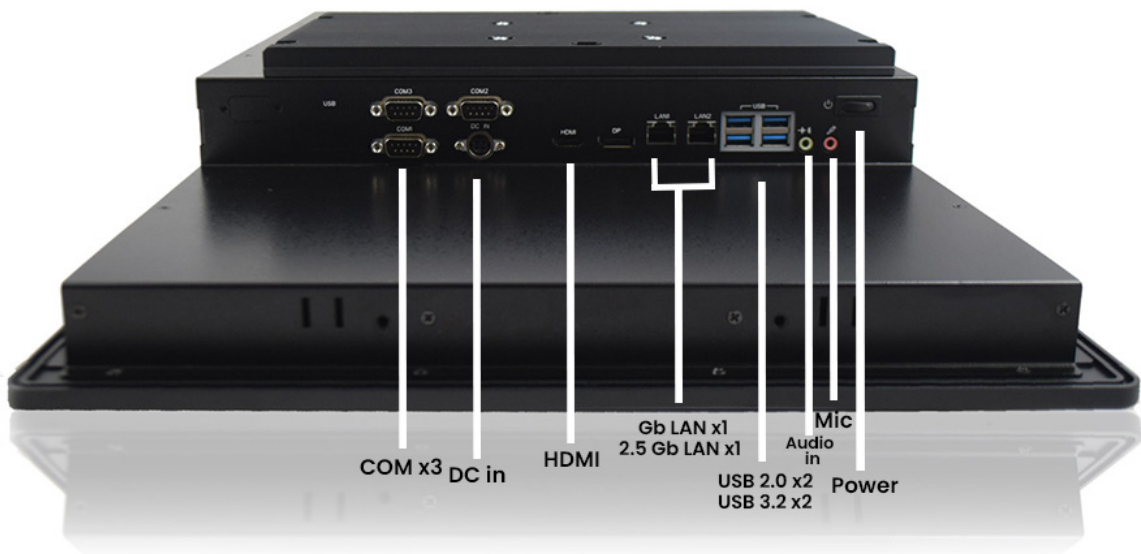
CE, FCC

Warranty

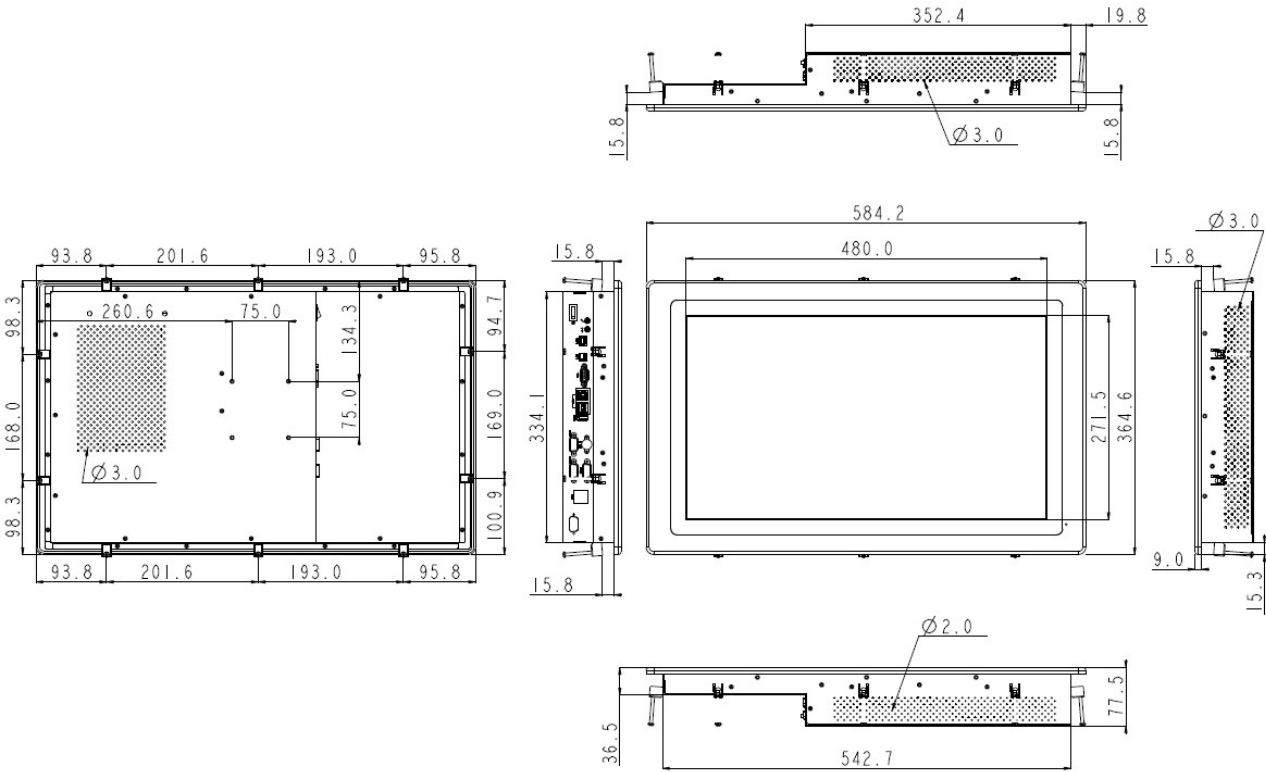
Warranty

1 Year

I/O Diagram Images



Tech Diagram Images



All specifications are subject to change without notice.