



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
- Intel Celeron J6412 Processor

Technical Specifications

General

Main Category Industrial Computer

Expansion Slots

Internal M.2	1x M.2 Type E, 1x M.2 Type B
PCIe Slot	1x PCI-E (x1)
PCIe Expansion Details	Chassis must be customized to fit expansion cards (NRE)
Other	1x SIM socket connected to M.2 B-Key

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

Multimedia

Display

Screen Size	21.5"
Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	250 nits
Contrast Ratio	1000:1
Viewing Angle	170° (H), 160° (V)
Number of Colors Supported	16.7M

Thermal and Environmental

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

Touch Screen

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

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

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 GbE LAN, 1x RJ45 2.5 GbE LAN
Video Outputs	1x HDMI, 1x VGA
Audio	2x 3.5mm Audio Line-Out/Mic-In
Power Input Port	4-Pole DIN (latching)

Peripherals & Wireless Connectivity

Sim card	1x SIM Card Slot
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Power

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

Dimensions / Weight

Weight	9.6 KG (21.2 lbs)
Dimensions	584.5x364.2x77.5 mm (23.0 x 14.3 x 3.1 in)

Battery

Certification

Certifications	CE, FCC
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Operating Systems

Warranty

Windows	Windows 11, Windows 11 Pro, Windows 10 IoT, Windows 10 Pro
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Warranty	1 Year
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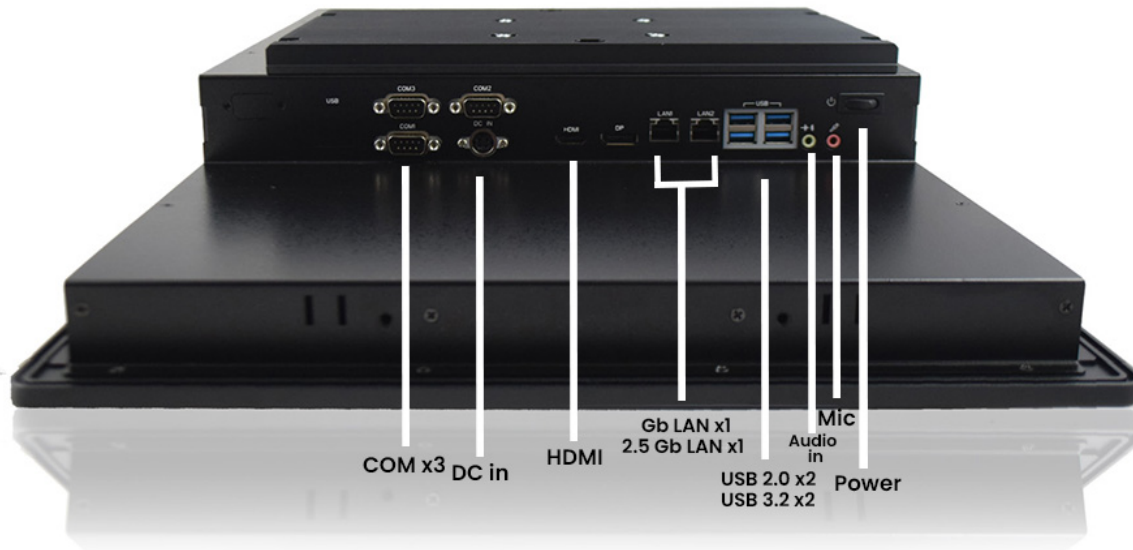
Compatibility

Filters

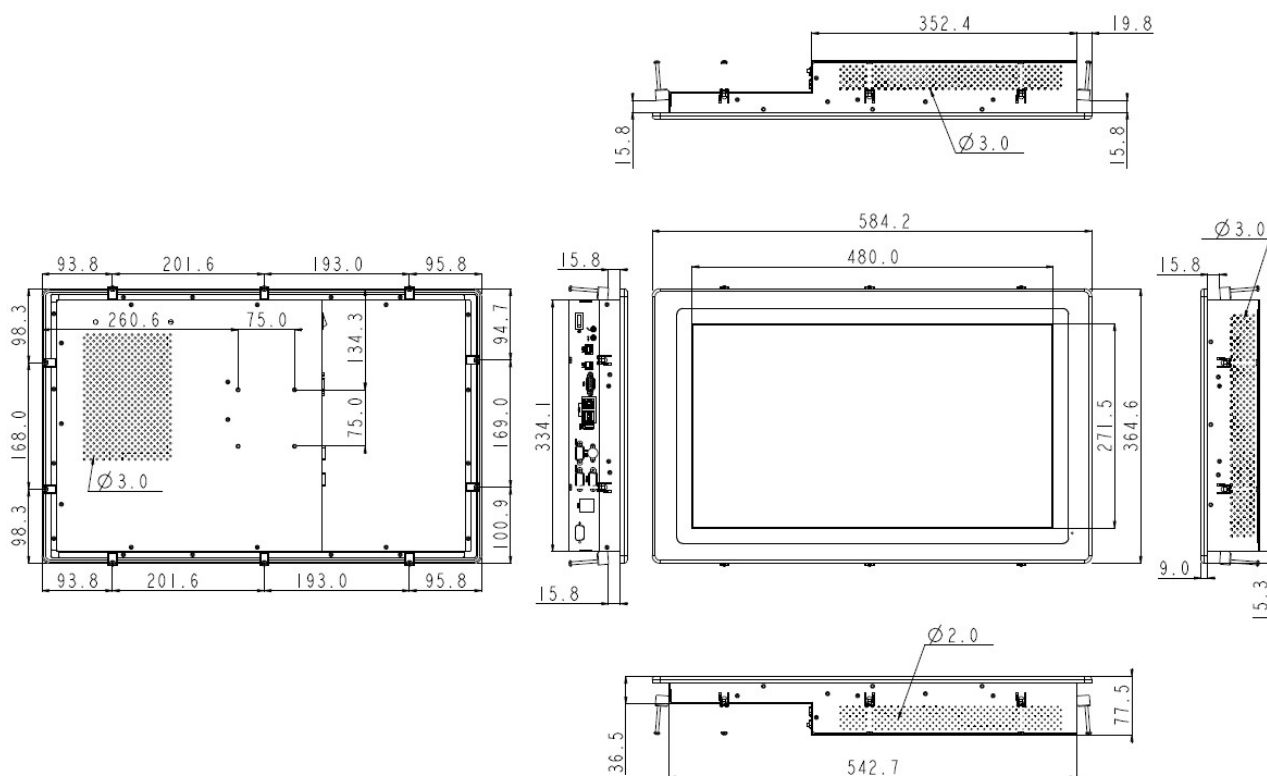
Security Hardware	Optional TPM 2.0
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Main Category Filter	Industrial Computer
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Inputs / Outputs



Technical Drawings



All specifications are subject to change without notice.