



Features

- 12.1” Touchscreen in Both Resistive and PCap Options
- Celeron J6412 Processor Passmark Rating 3839
- Windows 11 Compatibility
- IP66 Stainless Steel Housing
- Waterproof M12 I/O Connectors

Technical Specifications

Primary Components

Processor Family	Intel Celeron Elkhart Lake
Processor Model	Celeron J6412
Processor Speed	2.0 GHz, Up to 2.6 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB
Storage Type	1x M.2 SATA3 2242 Slot
Storage Support	128GB-1TB

Display

Screen Size	12.1"
Screen Resolution	1024 x 768 (XGA)
Screen Ratio	4:3
Brightness	450 nits, Optional 1000 nit High Brightness

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch), Resistive
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External I/O Ports

USB	1x M12 8Pin for USB 1/2, 1x Optional M12 8Pin for USB 3/4
Serial / Com	1x M12 8-pin for COM, 1x Optional M12 8-pin for COM 2
Serial Protocol Detail	RS-232/422/485, RS-232 Default
Ethernet / LAN	1x M12 8pin RJ45 Gbe LAN, 1x Optional M12 8pin RJ45 Gbe LAN
Power Input Port	M12 type 3-PIN DC-in

Power

Input Voltage Range	9-36V DC
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Operating Systems

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

Security Hardware

TPM 2.0

Expansion Slots

Internal M.2

1x M.2 Type E

Thermal & Environmental

Operating Temperature

0°C - 50°C (32°F – 122°F), -20°C - 60°C (Optional -4°F – 140°F)

Storage Temperature

-30°C - 70°C (-22°F – 158°F)

Cooling Solution

Passive – Fanless

Humidity Range

10% – 95% Non-condensing

Enclosure

Material

Optional SUS316 Stainless Steel, SUS304 Stainless Steel

IP Rating

IP66, IP69K Front Bezel

Color

Stainless Steel

Led Indicator Light

Power

Control Buttons

Power Button, Touchscreen Lock for Cleaning

Mounting Options

Desktop Stand, VESA 75 Mount, Wall Mount, Yoke Mount

Peripherals & Wireless Connectivity

WiFi

Optional Wi-Fi 6, 802.11 a/b/g/n/ac/ax

Bluetooth

Optional Bluetooth 5.3

Sim Card

1x Nano SIM Card Slot

RFID

Optional 125KHz OR 13.56 MHz

Sensors

Light Sensor

Weight / Dimensions

Dimensions

335 x 53 x 256 mm (13.2 x 2.1 x 10.1 in)

Certification

Certifications

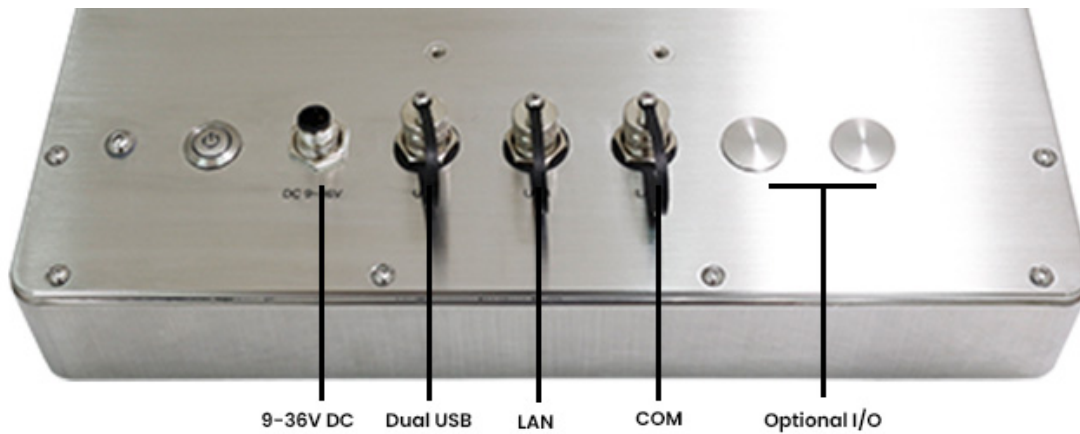
CE, FCC

Warranty

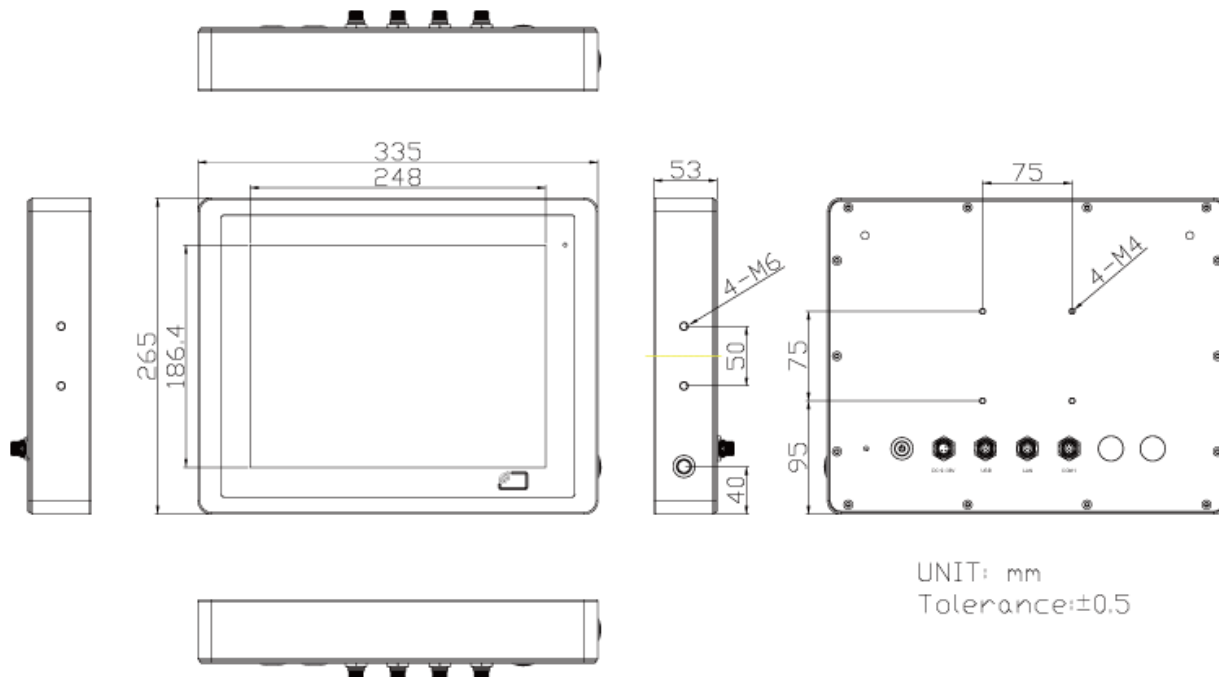
Warranty

Up to 5 Years

I/O Diagram Images



Tech Diagram Images



All specifications are subject to change without notice.