



- 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

General

Main Category

Industrial Computer

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 2.5" SATA Drive Bay for SSD/HDD, 1x M.2 SATA3 2242 Slot

Storage support

M.2 and 2.5": 128GB - 1TB

Display

Screen Size

12.1"

Resolution

1024 x 768 (XGA)

Screen Ratio

4:3

Brightness

450 nits, Optional 1000 nit High Brightness

Contrast Ratio

1000:1

Viewing Angle

178° (H), 178° (V), 178° (H), 178° (V) High Brightness

Number of Colors Supported

16.2M (Standard) / 16.7M (High Brightness)

Expansion Slots

Internal Mini PCIe

1x Mini-PCIe

Internal M.2

1x M.2 Type E

Multimedia

Thermal and Environmental

Operating Temperature

Array (32°F – 122°F; Optional -4°F – 140°F)

Storage Temperature

Array (-22°F – 158°F)

Humidity Range

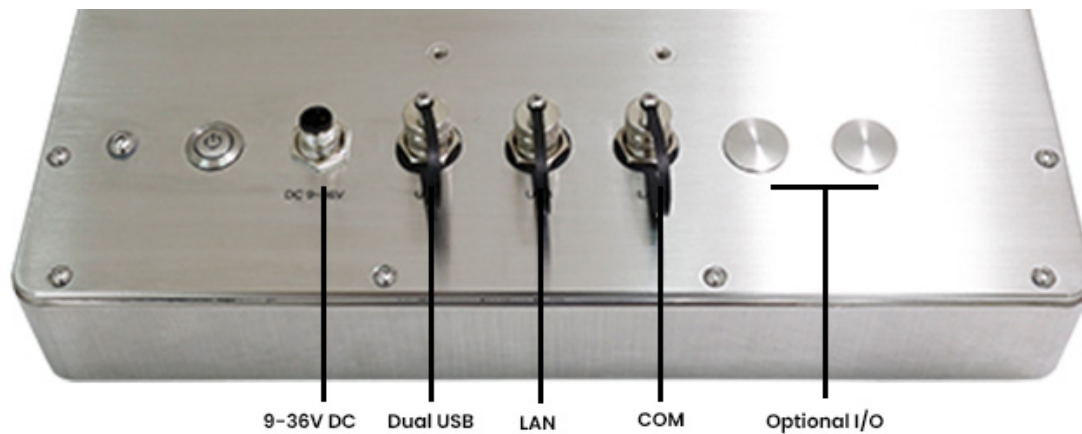
10% – 95% Non-condensing

Cooling Solution

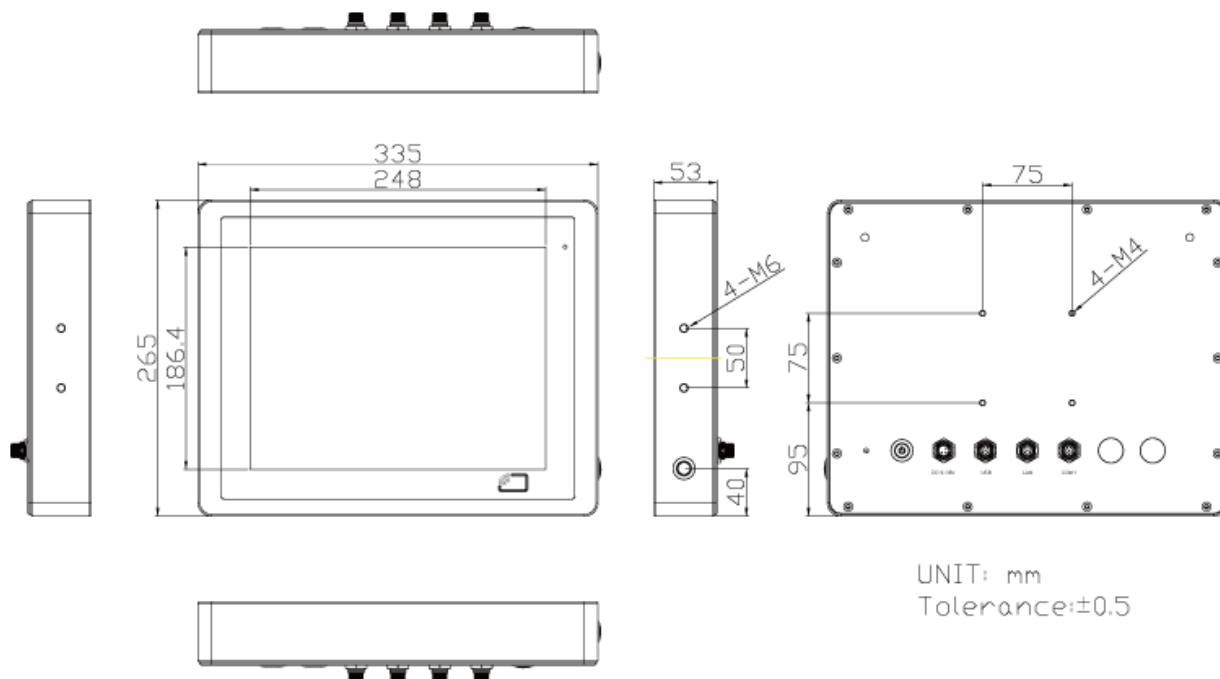
Passive – Fanless

Touch Screen		Enclosure	
Touch Screen	Projected Capacitive (Multi-touch), Resistive	Material	SUS304 Stainless Steel, Optional SUS316 Stainless Steel
Light Transmission	Over 80% (Resistive), Over 90% (P-Cap)	Ip Rating	IP66, IP69K Front Bezel
Lifetime Usage	30,000 hrs, 70,000 hrs (High Brightness)	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
External I/O ports		Peripherals & Wireless Connectivity	
USB	1x M12 8Pin for USB 1/2, 1x Optional M12 8Pin for USB 3/4	WiFi	Optional Wi-Fi 6, 802.11 a/b/g/n/ac/ax
Serial / Com	1x M12 8-pin for COM, 1x Optional M12 8-pin for COM 2	BlueTooth	Optional Bluetooth 5.3
Serial Protocol Detail	RS-232/422/485, RS-232 Default	Sim card	1x Nano SIM Card Slot
Ethernet / LAN	1x M12 8pin RJ45 Gbe LAN, 1x Optional M12 8pin RJ45 Gbe LAN	RFID	Optional 125KHz OR 13.56 MHz
Power Input Port	M12 type 3-PIN DC-in	Sensors	Light Sensor
Power		Dimensions / Weight	
Input Voltage Range	9-36V DC	Dimensions	335x53x256 mm (13.2 x 2.1 x 10.1 in)
Battery		Certification	
		Certifications	CE, FCC
Operating Systems		Warranty	
Windows	Windows 11 IoT, Windows 11 Pro, Windows 10 IoT, Windows 10 Pro	Warranty	Up to 5 Years
Compatibility		Filters	
Security Hardware	TPM 2.0	Main Category Filter	Industrial Computer

Inputs / Outputs



Technical Drawings



All specifications are subject to change without notice.