



15.0" TFT Fanless Touch Panel Computer with Intel® Elkhart Lake J6412 2.0GHz Quad Cores Processor

■ Features

- 15.0" 350 nits TFT LCD with LED backlight
- 10-points Multi Capacitive Touch
- Edge-to-edge narrow bezel design and Fanless cooling system
- Design for easy Wall mount, Panel Mount, VESA Mount installation
- A true Flat, easy-to-clean front surface with edge-to-edge design
- Front IP65 for protection against water and dust
- 12V DC in

Specifications

Display

LCD Display	15.0" With LED Backlight
Resolution	1024 x 768 @60Hz resolution
Brightness	350 nits
Contrast Ratio	1000:1
LCD Color	16.7M
Pixel Pitch (mm)	0.099 x 0.297
Viewing Angle (H-V)	178°/178°
Aspect Ratio	4:3
Response Time	35ms
Touchscreen	Surface Hardness ≥6H (JIS-5400)
Touch Controller	Projected capacitive type
Active Range	364.0 x 288.02mm ±0.2mm
Transparency	≥85%

I/O Connector

Ethernet	4 x USB3.2 (Gen.1)
I/O Ports,	2 x USB2.0
Switches and Buttons	2 x RS232
	1 x RS485 (option 8bit GPIO, option 2*R485)
	1 x HDMI2.0
	2 x RJ45(Intel® I225-V 2.5GbE)
	1 x Line-out + 1*MIC
	1 x 12V DC-in Locking Jack
	1 x Power button

Power

AC version	100~240V AC-DC 60W power adapter or
DC version	12VDC with over current protection fuse
Power Consumption	39.5W

Expansion

Expansion	1 x M.2 E key (2230, PCI-Ex1 +USB2.0 interface) for WIFI
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System

CPU (SoC)	Intel® Elkhart LakeJ6412 2.0GHz/QC processor
Memory	1 x DDR4 SO-DIMM (Max 32GB) 256MB SPI Flash ROM
Storage	1 x 2.5" SATA HDD 1 x M.2 M key (2242/2280, SATA interface) for SSD
OS Support	Windows 10 / 11/Linux
Watchdog Timer	256 levels, 0~255 sec.
Speaker	2 x 3W

Environment

Operating Temperature	-10°C ~ 60°C
Storage Temperature	-20°C ~ 70°C
Shock	1ms duration
Vibration	5~500Hz/1 Grms

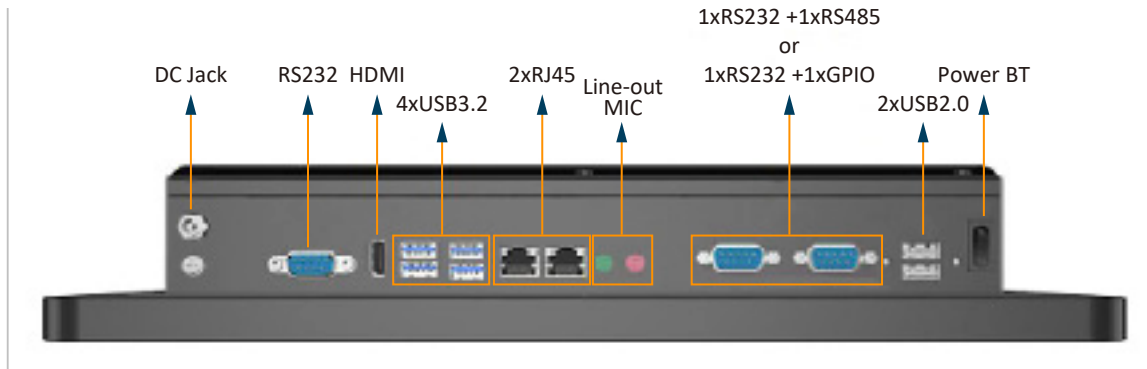
Certification Information (in Process)

Certification	CE, FCC, Option
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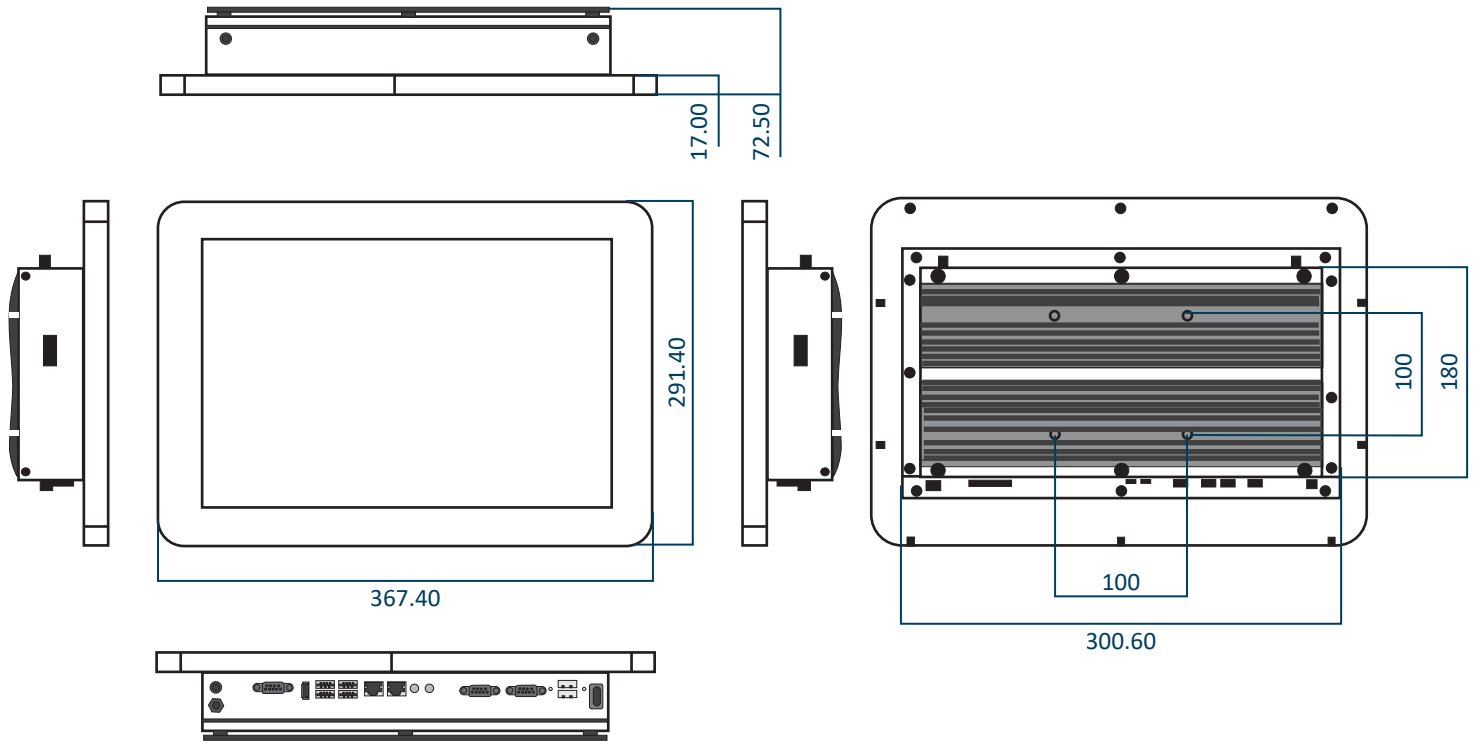
Physical

Construction Material	Rugged protection, metal front bezel Aluminum panel Iron case Spray paint coating requirement
Enclosure Color	Black
Mounting	VESA 100 mm, Wall mount, Panel Mount
Dimensions(W x H x D) (mm)	367.40 x 291.40 x 72.50
Weight	TBD

Product I/O View



Mechanical Drawings (Unit = mm)



Available Models

Model Number	Description
VTC-J12EK150	15.0" TFT Fanless Touch Panel Computer with Intel® Elkhart Lake J6412 2.0GHz Quad Cores Processor, upto 32GB DDR4 SO-DIMM RAM

VTC-J12EK150-05-04-2024