

Vita P18

Features

- 18.5" Industrial Size Panel PC
- Intel® 12th Gen. Core i3/i5 Processors
- Up to 64GB DDR4 3200MHz (2x SO-DIMM)
- IP66 Compliant Aluminum Front Bezel
- Support Projected Capacitive Multi-touch screen
- Fanless Design
- DC 9~36V Wide Range Power Input



Technical Specifications

Display

LCD Size	18.5"
Max. Resolution	1920 x 1080
Brightness (cd/m ²)	350 cd/m ²
Contrast Ratio	1000:1
LCD Color	16.7M
Pixel Pitch (mm)	0.213mm x 0.213mm
Viewing Angle (H-V)	178°/178°
Backlight MTBF	50,000 hrs

Touch

Touch Screen	Projected Capacitive Touch
Touch Controller	EETI EXC81W84

System

Processor	Intel® Core™ i3-1215U Processor Intel® Core™ i5-1235U Processor
System Chipset	Alder Lake SOC
Graphics Controller	Intel® UHD Graphics: i3-1215U Intel® Iris® Xe Graphics eligible: i5-1235U
LAN Chipset	Intel I219LM & Intel I210AT
Audio	Realtek ALC887-VA2-CG
System Memory	Up to 64GB DDR4 3200MHz (2x SO-DIMM)
BIOS	AMI (UEFI Only)
TPM	TPM 2.0
Watchdog	1~255 sec (system)

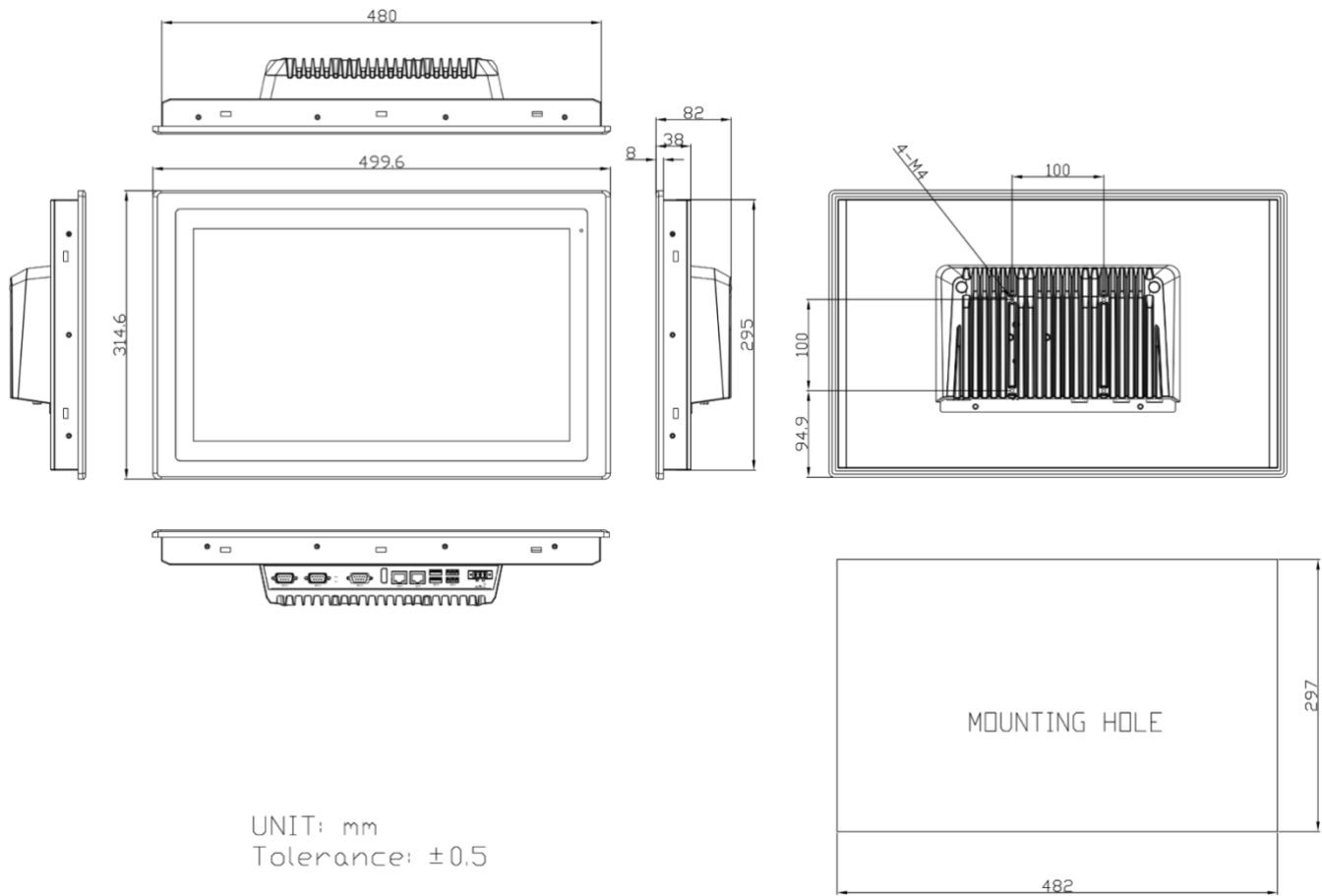
Storage

M.2 NVMe	1 x M.2 2280 M-Key socket (PCIe 3.0 x4)
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Expansion

M.2	1 x M.2 E-Key slot (Support WiFi+BT, 2230)(USB2.0, PCIe x1) 1 x M.2 B-Key slot with 1 x Nano-SIM slot (Support 4G/5G, 3042/3052) (USB3.2 Gen 1 x1, PCIe x1 (Default)/ SATA, USB2.0)
Other Features	
Cooling Method	Fanless
I/O	
Video	1 x HDMI 2.1
COM	3x RJ48 RS232 Serial Ports
USB	2 x USB 3.2 Gen 1 Type-A 2 x USB 2.0 Type-A
LAN	2x RJ45 GbE LAN Ports
WLAN	WiFi 7 + BT 5.4
Others	1 x Terminal Block Type
Operating System	
Windows	Windows 10 IoT Enterprise 2021 LTSC Windows 11 (21H2) or later
Power	
Power Input Voltage	9 ~ 36 VDC
Power Connector	3-Pin Terminal Block Connector
Power Adapter	External AC/DC Power Adapter: 12V, 5A
Environment	
Operating Temp.	Standard: 32°F to 122°F (0°C - 50°C) Wide Temp*: -4°F - 140°F (-20°C - 60°C) *Requires Wide Temp RAM and SSD
Storage Temp.	-22°F - 158°F (-30°C - 70°C)
Relative Humidity	10% - 95% @ 40°C, non-condensing
Shock	15G peak acceleration (11 msec. duration)/operation
Vibration	1G / 5 ~ 500Hz (Random) / Operation
IP Level	IP66 Compliant Front Bezel
Certification	Compliance CE/FCC Class A UL, RoHS2.0
Physical	
Enclosure Materials	Aluminum Die-casting Chassis
Weight	Unit Weight: 14.90lbs (6.76kg) Shipping Weight: 21.38lbs (9.7kg)
Dimension (W x H x D)	19.67" × 12.39" × 3.23" (499.6mm x 314.6mm x 82mm)
Weight	14.90lbs (6.76kg)
Mounting	Panel Mount, VESA 100 x 100 mm

Dimension



Alternate View

