

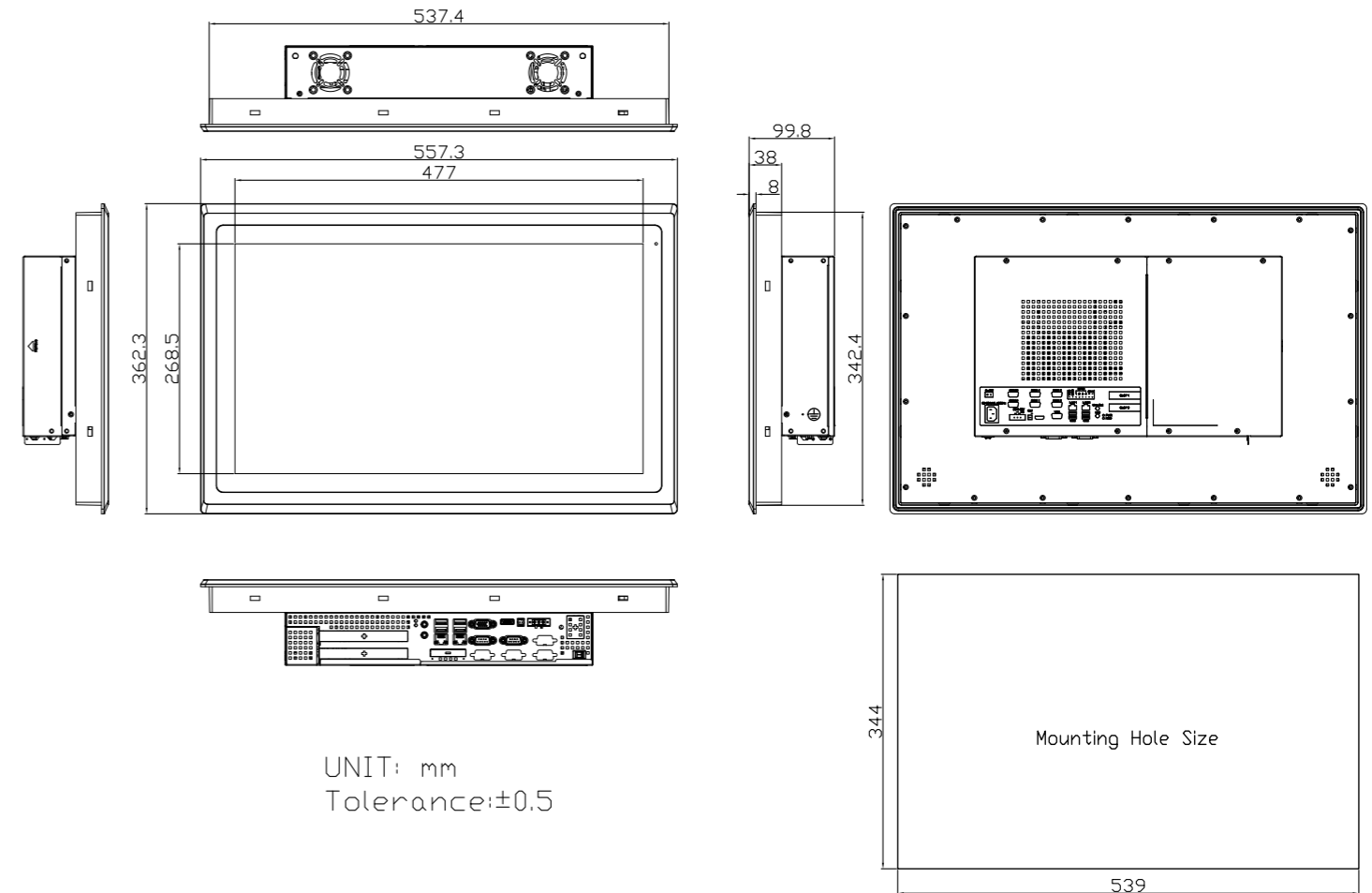
## Features

- 21.5" TFT LCD Panel PC
- Intel Celeron N2930 Processor
- Modular Concept and Fanless Design
- Support PCT/RTW/AR Glass
- Front Bezel IP66
- Option WiFi/BT/Speaker
- Support 2 x Expansion slot
- DC 9~36V Power input, option AC power input

## Specifications

System		
CPU	Onboard Intel Celeron N2930 Processor (2M Cache, 1.83GHz)	
System Chipset	SoC	
Memory	2 x 204-pin DDR3L SO-DIMM slot up to 8GB	
IO Port		
Rear side I/O port	4 x USB 3.0 type A 2 x RJ45 GbE LAN 1 x DB9 RS-232/422/485 default RS-232 1 x DB9 RS-232 1 x DB9 RS-422/485 default RS-485 1 x DB15 VGA 1 x HDMI with Cover 1 x Line-out/Mic-in 1 x 2 pin Terminal block for external power switch 2 x LED indication for HDD/System 1 x System LED indication at front 1 x 3 pin TB Power connector 1 x Power Switch on/off	
Option I/O	2 x 2W speaker at rear side 4 x USB 2.0 Type A via TB-546 2 x DB9 COM port 1 x 8-bit GPIO (3 in/out/VCC/GND)	
Storage Space		
HDD	1 x 2.5" SATA HDD Space (Easy Accessible Storage Design)	
Expansion		
Expansion Slot	1 x Full-size Mini PCIe on board (PCIe/USB/SATA, SATA by default) 1 x Half-size Mini PCIe on board (PCIe/USB, PCIe by default) 1 x SIM slot for option (Option wifi/BT/4G and antenna at rear side) 1 x PCI and 1 x PCIe x1 slot via TB-560P1E11 (default)	
Display		
	<b>Standard</b>	<b>High Brightness Optional</b>
Display Type	21.5" TFT-LCD	21.5" TFT-LCD
Max. Resolution	1920 x 1080	1920 x 1080
Max. Color	16.7M	16.7M
Luminance (cd/m <sup>2</sup> )	250	1000
View Angle	178(H) / 178(V)	178(H) / 178(V)
Contrast	3000:1	3000:1
Backlight Lifetime	30,000 hrs	50,000 hrs
Option	Auto Dimming	Auto Dimming
Touch Screen		
	<b>Resistive Touch</b>	<b>Projected Capacitive Touch</b>
Interface	USB	USB
Light Transmission(%)	Over 80%	Over 90%
Power		
Power Input	DC 9~36V Power input, option AC power input	

## Dimensions



Mechanical	
Construction	Aluminum die-casting front bezel and steel chassis, Stainless front bezel (option)
Mounting	Panel Mount
IP Rating	Front Panel IP66
Dimensions	557.3 x 362.3 x 99.8 mm
Net Weight	8.3 kg
Environmental	
Operating Temperature	0~50°C
Storage Temperature	-30~70°C
Humidity	10 to 95% @ 40°C, non- condensing
Certificate	CE / FCC Class A
Operating System Support	
Windows embedded 7	
Windows embedded 8.1	
Windows 10 IoT Enterprise	
Ordering Information	
VIPAC-821R	21.5" FHD Intel Celeron N2930 (1.83.GHz ) CPU, Fanless panel PC, 2 x 204pin DDR3L SO-DIMM slot, 1 x 2.5" HDD/SSD space, 2 x PCIe x1 slot, resistive touch window, 9~36VDC power input with adaptor, Alu.die-casting front bezel.
VIPAC-821P	21.5" FHD Intel Celeron N2930 (1.83.GHz ) CPU, Fanless panel PC, 2 x 204pin DDR3L SO-DIMM slot, 1 x 2.5" HDD/SSD space, 2 x PCIe x1 slot, projected capacitive touch, 9~36VDC power input with adaptor, Alu.die-casting front bezel.