



VIO-W221-PC300

21.5" 16:9 Full HD Resistive / Capacitive Touch Thin Frame Panel PC with Intel® Core™ i5/i3 or Celeron® Processor



FEATURES

- 21.5" TFT FHD 16:9 LCD with resistive 5-wire / projected capacitive touch
- Intel® Core™ processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x full-size mini PCIe for communication or expansion modules
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485 (w/ 2x internal), 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with aluminum die-casting front Frame
- IP65 compliant front panel
- Two 10W internal speakers built-in
- Multi-language OSD built-in
- High Brightness Display and Optical Bonding (Optional)

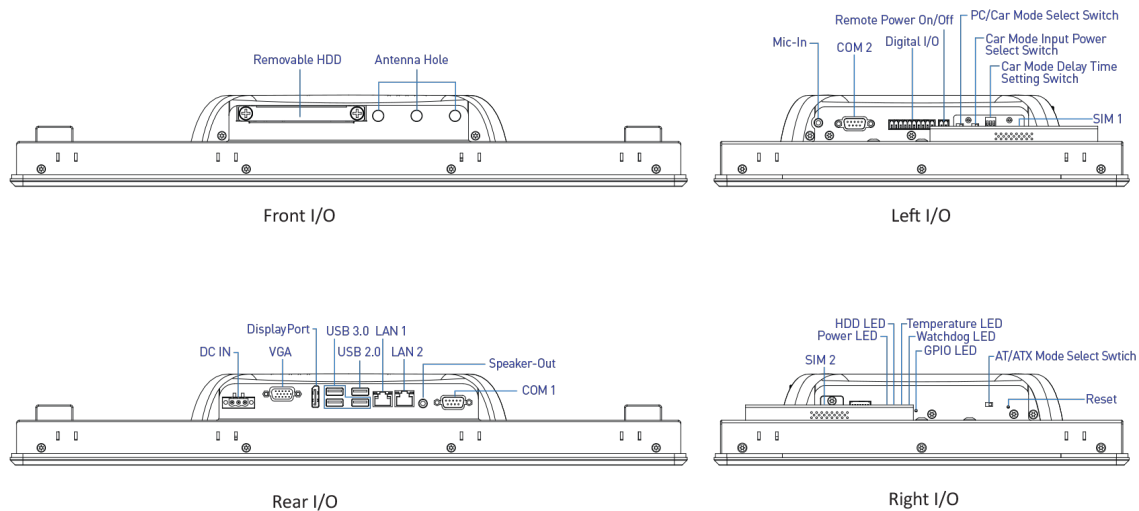
SPECIFICATIONS

Display	
LCD Size	21.5" (16:9)
Max Resolution	1920 x 1080 (Full HD)
Brightness	300 / 1000 (Optional)
Contrast Ratio	5000:1
LCD Color	16.7M
Pixel Pitch (mm)	0.248 (H) x 0.248 (V)
Viewing Angle (H-V)	178/178
Backlight MTBF	50000 hrs (LED Backlight)
Touch	
Resistive 5-Wire	VIO-W221R-13, VIO-W221HR-13, VIO-W221HR-13-OB
Projected Capacitive	VIO-W221C-13, VIO-W221HC-13, VIO-W221HC-13-OB
System	
Processor	5th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz 5th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz 5th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset
Storage	
SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket
Expansion	
Mini PCI Express	2x Full-size Mini PCIe
I/O	
VGA	1x VGA (or 1x DVI-D by Order)
Display Port	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)

Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off
Operating System	
Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X
Power	
Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adapter	Optional AC/DC 24V/5A, 120W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection
Environment	
Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 60°C
Relative Humidity	10%~80% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Vibration	With SSD: 5 Grms, 5 - 500 Hz, 0.5 hr/axis With HDD: 1 Grms, 5 - 500 Hz, 0.5 hr/axis
Shock	With SSD: 50G, half sine, 11ms
Certifications	CE, FCC Class A
Physical	
Construction	Die-cast Flat Surface
Dimensions	528.5 (W) x 324 (D) x 71 (H)mm
Weight	Resistive: 8.46 kg Capacitive: 8.14 kg
Mounting	VESA Mounting Holes 75 x 75mm, 100 x 100mm
Other Features	
Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language
Optical Bonding	Optional, contact us for more information

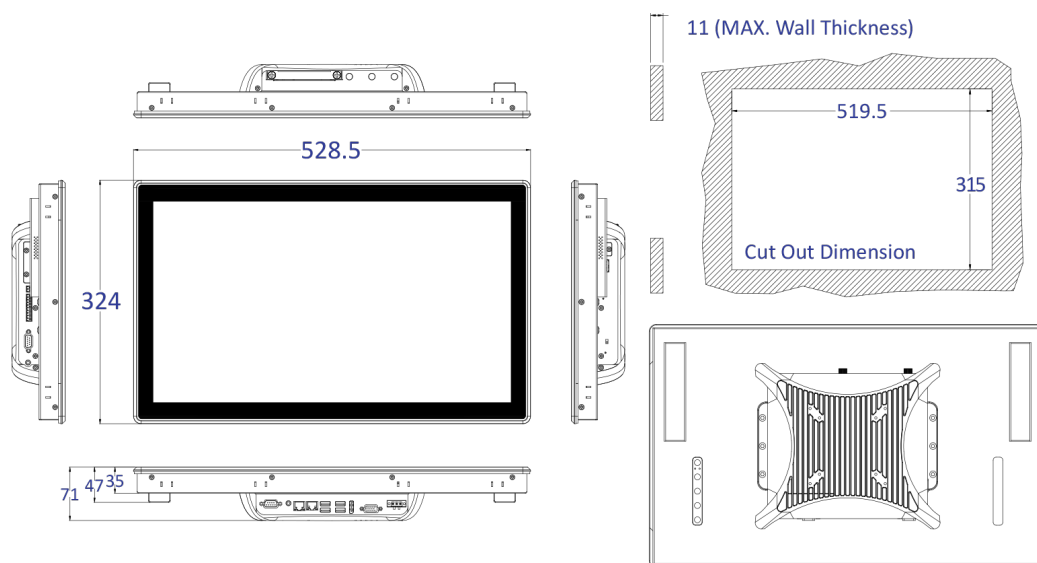
* All specifications and photos are subject to change without notice

EXTERNAL I/O MECHANICAL LAYOUT



DIMENSIONS

Unit: mm



AVAILABLE MODELS

MODEL NO.	DESCRIPTION
VIO-W221C-PC300	21.5" 16:9 FHD Capacitive Touch Thin Frame Panel PC with Intel® i5-5350U Processor
VIO-W221R-PC300	21.5" 16:9 FHD Resistive Touch Thin Frame Panel PC with Intel® i3-5010U Processor

OPTIONAL ACCESSORIES

MODEL NO.	DESCRIPTION
1-E09A12002	Adapter AC/DC 24V 5A 120W with 3pin Terminal Block Plug 5.0mm Pitch
SFICBL022	Power Cord, 3-pin US Type, 180cm
1-TPCD00002	Power Cord, European Type, 180cm
1-TPCD00001	Power Cord, 3-pin UK Type, 180cm

PACKING LIST

- 1x VIO-W221-PC300 Series Panel PC
- 12x Panel Mount Kit
- 1x Utility DVD Driver
- 1x Screw Pack