INDUSTRIAL TOUCH SCREEN MONITOR

VIO-W221-MX100H

21.5" 16:9 IP65 Industrial Touchscreen Monitor



Features

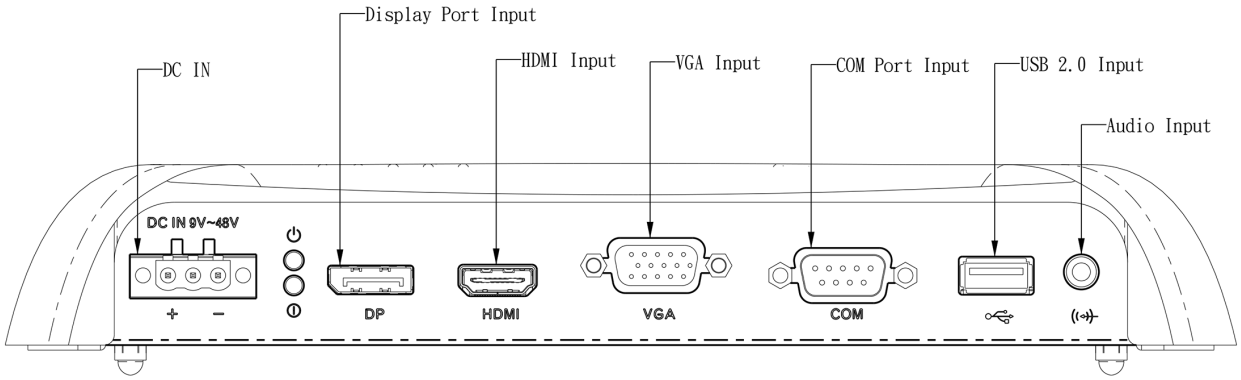
- 21.5" TFT 1920×1080 FHD 16:9 LCD
- Resistive 5-wire or Projected Capacitive Touch
- 1x VGA, 1x DVI-D, 1x HDMI, 1x DisplayPort, 1x USB 2.0, 1x COM, 1x Audio
- 9 to 48 VDC wide range power input
- -10 °C to 50 °C extended operating temperature
- Aluminum die-casting front panel
- IP65 compliant front panel
- Two 10W internal speakers
- Multi-language OSD
- VESA mount option
- High Brightness Display and Optical Bonding (Optional)

Specifications

Display	
IP Rating	IP65
LCD Size	21.5" (16:9)
Max. Resolution	1920 x 1080 (FHD)
Brightness (cd/m^2)	500 / 1000 (optional)
Contrast Ratio	1000:1
LCD Color	16.7M
Pixel Pitch (mm)	0.248(H) x 0.248(V)
Viewing Angle	178/178
Backlight Lifetime	30000 hrs (LED Backlight)
Touch Type	Resistive 5-Wire Projective Capacitive
I/O	
Audio	1x Audio Input
COM	1x COM (For Resistive Touch)
USB	1x USB 2.0 (For Resistive Touch or P-CAP Touch)
DP	1x DP
DVI	1x DVI-D
HDMI	1x HDMI
VGA	1x VGA
Optical Bonding	Optional, contact us for more information
OSD	LCD On/Off, Auto, Menu Up And Down Multi-Language
Speaker	AMP 10W + 10W
Power	
Power Adapter	Optional AC/DC 12V/5A, 60W
Power Management	Power Ignition Management
Power Mode	AT, ATX
Power Supply Voltage	9~48 VDC
Power Connector	3-Pin Terminal Blcok
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection
Environment	
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 140 °F)
Storage Temperature	-20 °C to 60 °C (-4 °F to 158 °F)
Relative Humidity	10% ~ 80% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Certification	UL 62368 Ed. 3, CE, FCC Class A
Vibration	1.5 Grms, 5 - 500 Hz, 0.5 hr/axis
Shock	20G, half sine, 11ms
Physical	
Dimensions	528.5 x 324 x 71 mm (20.8" x 12.8" x 2.8")
Weights	VIO-W221R-MX100: 8.09 kg (17.8 lb) VIO-W221C-MX100: 7.77 kg (17.1 lb)
Mounting Options	VESA Mounting Holes 75 x 75mm, 100 x 100mm

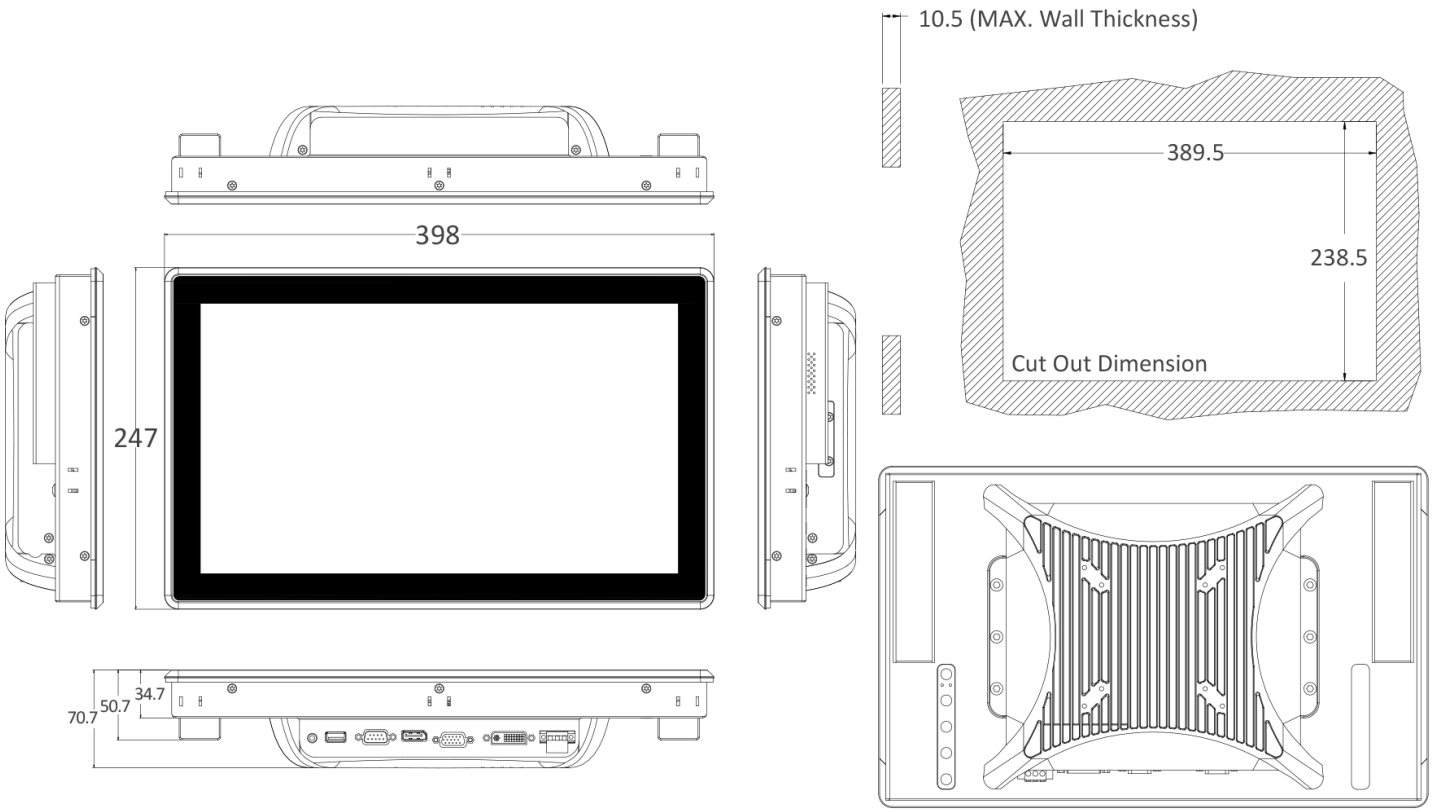
* All specifications and photos are subject to change without notice.

External I/O Mechanical Layout



Dimension

Unit: mm



Compliances and Standards

Shock	20G, half sine, 11ms IEC60068-2-27:2008 Designed to comply with MIL-STD-810H Method 516.8 Procedure I
Vibration	1.5 Grms, 5 - 500 Hz, 0.5 hr/axis IEC60068-2-64:2008 Designed to comply with MIL-STD-810H Method 514.8 Procedure I
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 140 °F) IEC60068-2-1:2007 (Cold test procedure) IEC60068-2-2:2007 (Dry heat test procedure) IEC60068-2-3:2007 (Damp heat, steady state, test procedure) IEC60068-2-14:2009 (Wide temperature range thermal shock)
EMI	• FCC Class A (47 CFR part 15.109 and part 15.107) • CE • ICES-003 • UKCA
Safety	• UL Safety: UL62368-1, 3rd Ed., (cULus) • Test prcedure: CB Scheme • Standard: IEC 62368-1:2018

Available Models

Model No.	Description
VIO-W221C-14	21.5 " 16:9 FHD Capacitive Touch Thin Frame Display Module with 2x 10W Speaker
VIO-W221HC-14	VIO-W221HC,21.5",16:9,FHD,CAPACITIVE,HB,2X10W SPK,V14
VIO-W221HC-14-OB	VIO-W221HC,21.5",16:9,FHD,CAPACITIVE,HB,OB,2X10W SPK,V14
VIO-W221HR-14	VIO-W221HR,21.5",16:9,FHD,RESISTIVE,HB,2X10W SPK,V14
VIO-W221HR-14-OB	VIO-W221HR,21.5",16:9,FHD,RESISTIVE,HB,OB,2X10W SPK,V14
VIO-W221R-14	21.5" 16:9 FHD Resistive Touch Thin Frame Display Module with 2x 10W Speaker
MX100H-P	Touch Screen Module ,1x HDMI,1x VGA,1x DP,1x USB2.0, 60W

Optional Accessories

Model No.	Description
1-E09A06008	Adapter AC/DC 12V 5A 60W with 3pin Terminal Block Plug 5.0mm Pitch
999930	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-MX100H
- 1x Panel Mount Kit
- 1x USB Cable
- 1x VGA Cable
- 1x Screw Pack

Exports And Tariff Codes

ECCN	EAR99
HTS	8528.59.1500
ScheduleB	85.28

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