



## INDUSTRIAL TOUCH SCREEN MONITOR

# VIO-W221-MX200

21.5" Full HD 16:9 Resistive / Capacitive Touch Monitor with 2x 10W Speaker



### Features

- 21.5" Full HD 16:9 LCD with resistive 5-wire / projected capacitive touch
- 1x VGA, 1x HDMI, 1x DisplayPort, 1x USB 2.0, 1x COM, 1x Audio
- 9 to 48VDC wide range power input
- -10°C to 50°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

### Specifications

| Display                         |                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------|
| IP Rating                       | IP65                                                                                 |
| LCD Size                        | 21.5" (16:9)                                                                         |
| Max. Resolution                 | 1920 x 1080 (FHD)                                                                    |
| Brightness (cd/m <sup>2</sup> ) | 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 MTBF                  | 30000 hrs (LED Backlight)                                                            |
| Touch                           |                                                                                      |
| Projected Capacitive            | VIO-W221C-MX200                                                                      |
| Resistive 5-Wire                | VIO-W221R-MX200                                                                      |
| I/O                             |                                                                                      |
| Audio                           | 1x Audio Input                                                                       |
| COM                             | 1x COM Port Input (Resistive Touch Only)                                             |
| USB                             | 1x USB 2.0 (For Resistive Touch or P-CAP Touch)                                      |
| DP                              | 1x DisplayPort                                                                       |
| HDMI                            | 1x HDMI                                                                              |
| VGA                             | 1x VGA                                                                               |
| Others Features                 |                                                                                      |
| Speaker                         | AMP 10W + 10W                                                                        |
| OSD                             | LCD On/Off, Auto, Menu, Up and Down Multi-language                                   |
| 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 Block                                                                 |
| Power Protection                | OVP (Over Voltage Protection)<br>OCP (Over Current Protection)<br>Reverse Protection |
| Operating Temperature           | -10 °C ~ 50 °C                                                                       |
| Storage Temperature             | -20 °C to 60 °C                                                                      |
| Relative Humidity               | 10% ~ 80% (non-condensing)                                                           |
| IP Level                        | IP 65 Compliant Front Panel                                                          |
| Certification                   | CE, FCC Class A                                                                      |
| Vibration                       | 1.5 Grms, 5 - 500 Hz, 0.5 hr/axis                                                    |
| Shock                           | 20G, half sine, 11ms                                                                 |
| Physical                        |                                                                                      |
| Dimensions                      | 527.5 (W) x 323 (D) x 71 (H) mm                                                      |
| Weights                         | 7.7 kg ~ 8.09 kg                                                                     |
| Mounting Options                | VESA Mounting Holes 75 x 75mm, 100 x 100mm                                           |

### Available Models

- VIO-W221R-MX200  
21.5" 16:9 FHD Resistive Touch Thin Frame Monitor with 2x 10W Speaker
- VIO-W221C-MX200  
21.5" 16:9 FHD Capacitive Touch Thin Frame Monitor with 2x 10W Speaker

### Optional Accessories

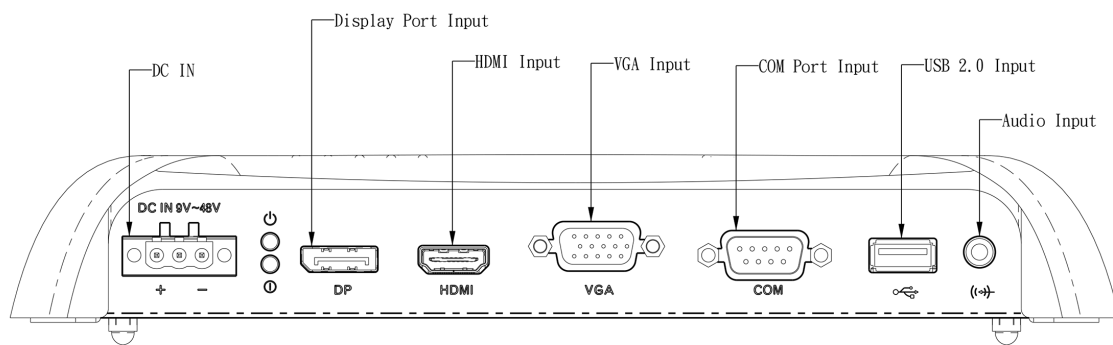
- 1-E09A06008  
Adapter AC/DC 12V 5A 60W with 3pin Terminal Block Plug 5.0mm Pitch
- SFICBL022  
Power Cord, 3-pin US Type, 180cm
- 1-TPCD00002  
Power Cord, European Type
- 1-TPCD00001  
Power Cord, 3-pin UK Type, 180cm

### Packing List

- 1x VIO-W221-MX200 Touch Monitor
- 12x Panel Mount Kit
- 1x USB Cable
- 1x VGA Cable
- 1x Screw Pack

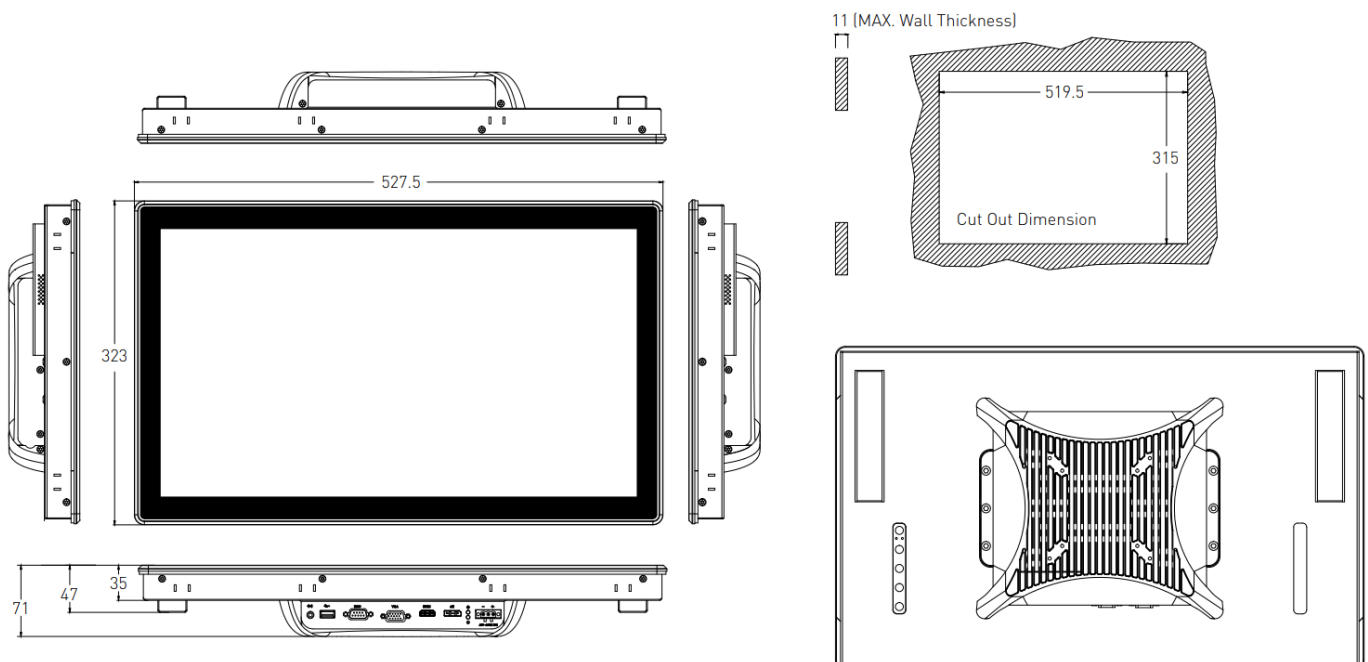
\* All specifications and photos are subject to change without notice.

External I/O Mechanical Layout



Dimension

Unit: mm



## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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