



## INDUSTRIAL TOUCH SCREEN COMPUTER

## SIO-W224-J1900

23.8" 16:9 FHD Resistive / Capacitive Touch Stainless Steel Panel PC with Intel® Celeron® Processor J1900



## Features

- 23.8" Full HD 16:9 LCD with resistive 5-wire / projected capacitive touch
- Intel® Celeron® processor J1900, 2.0 GHz
- 1x 4GB DDR3L SODIMM
- 1x mSATA
- 1x M12 for 2x USB 2.0, 1x M12 for LAN, 1x M12 for COM
- 1x Full-size Mini PCIe for expansion
- Support 110V to 240V AC power input by M12 Power Connector
- -10°C to 50°C operating temperature
- Full system IP66/IP69K with Stainless Steel SUS316 construction Fanless Industrial Display Computer
- Touch Function ON/OFF Switch

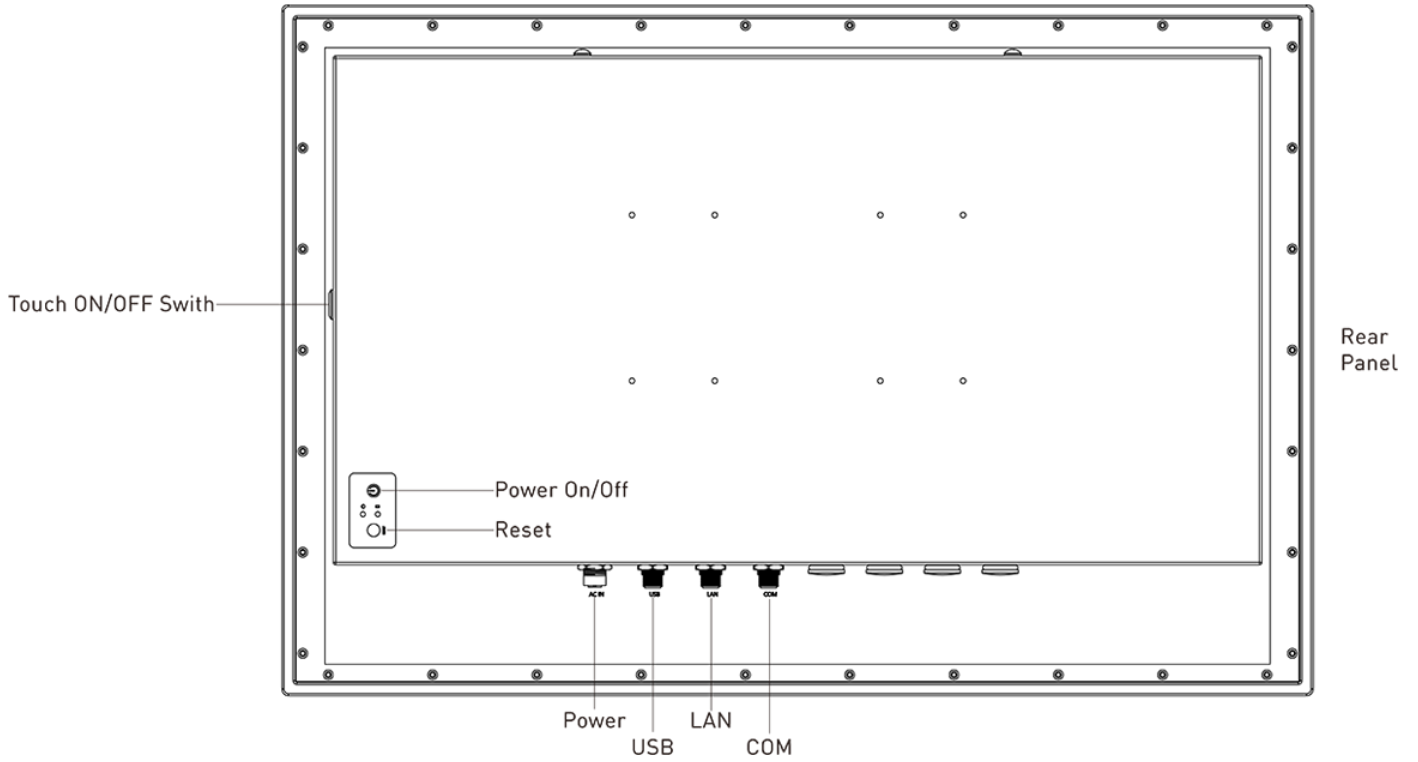
## Specifications

| Display Panel                   |  |
|---------------------------------|--|
| IP Rating                       | IP66/IP69K   |
| LCD Size                        | 23.8" (16:9)   |
| Max. Resolution                 | 1920 x 1080 (FHD)  |
| Brightness (cd/m <sup>2</sup> ) | 350 (cd/m <sup>2</sup> )   |
| Contrast Ratio                  | 1000:1   |
| LCD Color                       | 16.7M  |
| Pixel Pitch (mm)                | 0.2745 (H) x 0.2745 (V)  |
| Viewing Angle                   | 178/178  |
| Backlight MTBF                  | 30000 hrs (LED Backlight)  |
| Touch                           |  |
| Touch Type                      | Resistive 5-wire<br>Projected Capacitive   |
| System                          |  |
| Processor                       | Intel® Celeron® Processor J1900, Quad Core, 2MB Cache, 2.0 GHz   |
| System Chipset                  | SoC Integrated   |
| LAN Chipset                     | GbE1: Intel® I210-IT (Support Wake-on-LAN and PXE)<br>GbE2: Intel® I210-IT (Support Wake-on-LAN and PXE)   |
| Audio Codec                     | Realtek ALC886   |
| System Memory                   | 1x 204-pin DDR3L SODIMM. max up to 8GB   |
| Storage                         |  |
| mSATA                           | 1x mSATA   |
| SIM Socket                      | 1x Internal SIM socket   |
| Expansion                       |  |
| Mini PCIe                       | 1x Full-size Mini PCIe   |
| I/O                             |  |
| COM                             | 1x RS-232/422/485 by M12 A-Code 8-pin  |
| LAN                             | 1x LAN by M12 X-Code 8-pin   |
| USB                             | 2x USB 2.0 by M12 A-code 8-pin   |
| Others                          | 1x Additional RS-232/422/485 by M12 A-Code 8-pin<br>2x Additional USB 2.0 by M12 A-Code 8-pin<br>1x Additional LAN by M12 X-Code 8-pin<br>2x WiFi Antenna<br>Power On/Off, Reset |
| Operating System                |  |
| Windows                         | Windows 10   |
| Linux                           | Linux kernel 3.X   |
| Power                           |  |
| Power Adapter                   | Optional AC/DC 12V/5A, 60W<br>Optional Waterproof Power Input Cable  |

| Power Mode            | ATX  |
|-----------------------|--|
| Power Supply Voltage  | 110 ~ 240V AC Input<br>Optional 12V DC Input   |
| Power Connector       | M12 A-code 4-pin   |
| Environment           |  |
| Operating Temperature | -20°C to 50°C  |
| Storage Temperature   | -20°C to 70°C  |
| Relative Humidity     | 10% ~ 80% (non-condensing)   |
| IP Level              | Full System IP66/IP69K   |
| Certification         | CE, FCC Class A  |
| Vibration             | With SSD: 2.4 Grms, 5 - 500 Hz, 0.5 hr/axis<br>With HDD: 1 Grms, 5 - 500 Hz, 0.5 hr/axis |
| Shock                 | With SSD: 20G, half sine, 11ms   |
| Physical              |  |
| Dimensions            | 623 (W) x 417 (H) x 54 (D) mm  |
| Construction          | Stainless Steel SUS316   |
| Mounting Options      | VESA Mounting Holes 100 x 100mm or 200 x 100mm<br>Optional Yoke Mount, Panel Mount       |

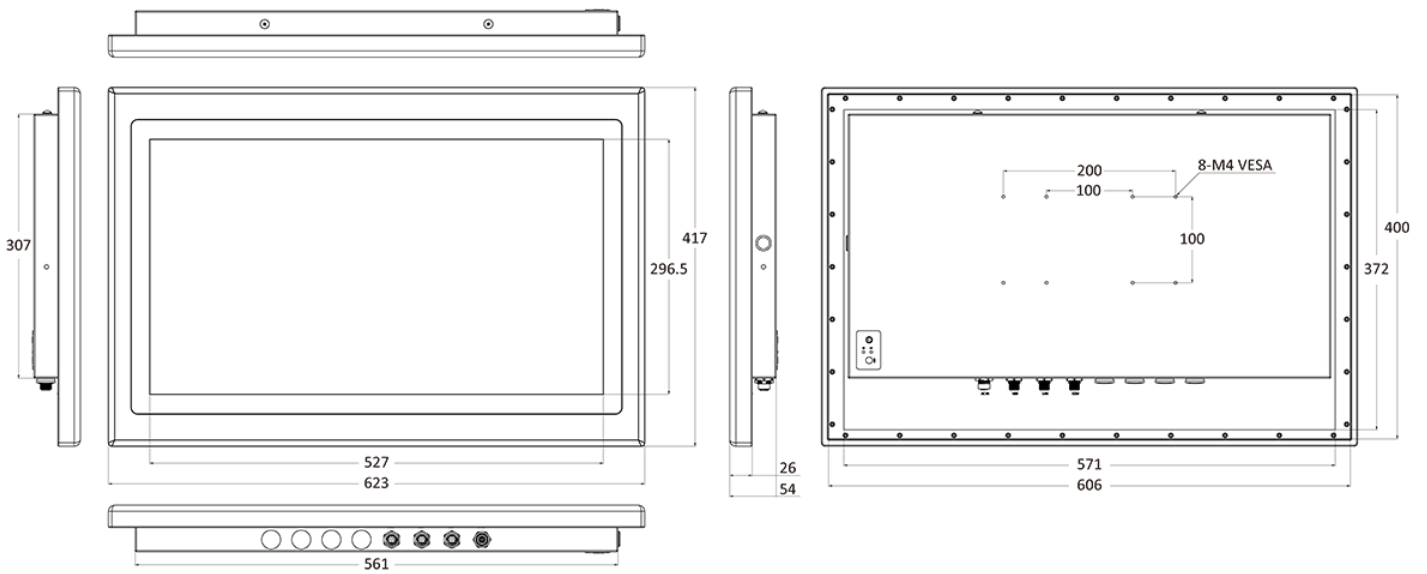
\* All specifications and photos are subject to change without notice.

## External I/O Mechanical Layout



## Dimension

Unit: mm



## Available Models

| Model No.       | Description   |
|-----------------|---|
| SIO-W224R-J1900 | 23.8" 16:9 FHD Resistive Touch Stainless Steel Panel PC with Intel® Celeron® Processor J1900  |
| SIO-W224C-J1900 | 23.8" 16:9 FHD Capacitive Touch Stainless Steel Panel PC with Intel® Celeron® Processor J1900 |

## Optional Accessories

| Model No.   | Description  |
|-------------|--|
| 1-TPWR00027 | Waterproof AC Power Input M12 A-CODE 4P PWR Cable to Plug Type_US L=3M |
| 1-TPWR00028 | Waterproof AC Power Input M12 A-CODE 4P PWR Cable to Plug Type_EU L=3M |
| 1-TUSB00034 | Waterproof USB 2.0 Cable 3M  |
| 1-TCOM00019 | Waterproof COM Cable 3M  |
| 1-TLAN00015 | Waterproof LAN Cable 3M  |

## Packing List

- 1x SIO-W224-J1900
- 1x Waterproof Connector Cover Set