



## INDUSTRIAL TOUCH SCREEN COMPUTER

# SIO-W224-8365UE

23.8" 16:9 FHD Resistive / Capacitive Touch Stainless Steel Panel PC with Intel® Core™ i5-8365UE Processor



### Features

- 23.8" Full HD 16:9 LCD with resistive 5-wire / projected capacitive touch
- Intel® Core™ i5-8365UE Processor, 4.10 GHz
- 1x 4GB DDR4 2400MHz SO-DIMM slot
- 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® Core™ i5-8365UE Processor 6M Cache, up to 4.10 GHz |
| System Chipset | SoC Integrated                                            |
| LAN Chipset    | GbE1: Intel® I210-IT (Support Wake-on-LAN and PXE)        |
| Audio Codec    | Realtek ALC886                                            |
| System Memory  | 1x 260-Pin DDR4 2400MHz SO-DIMM slot, Max 32GB            |

#### 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

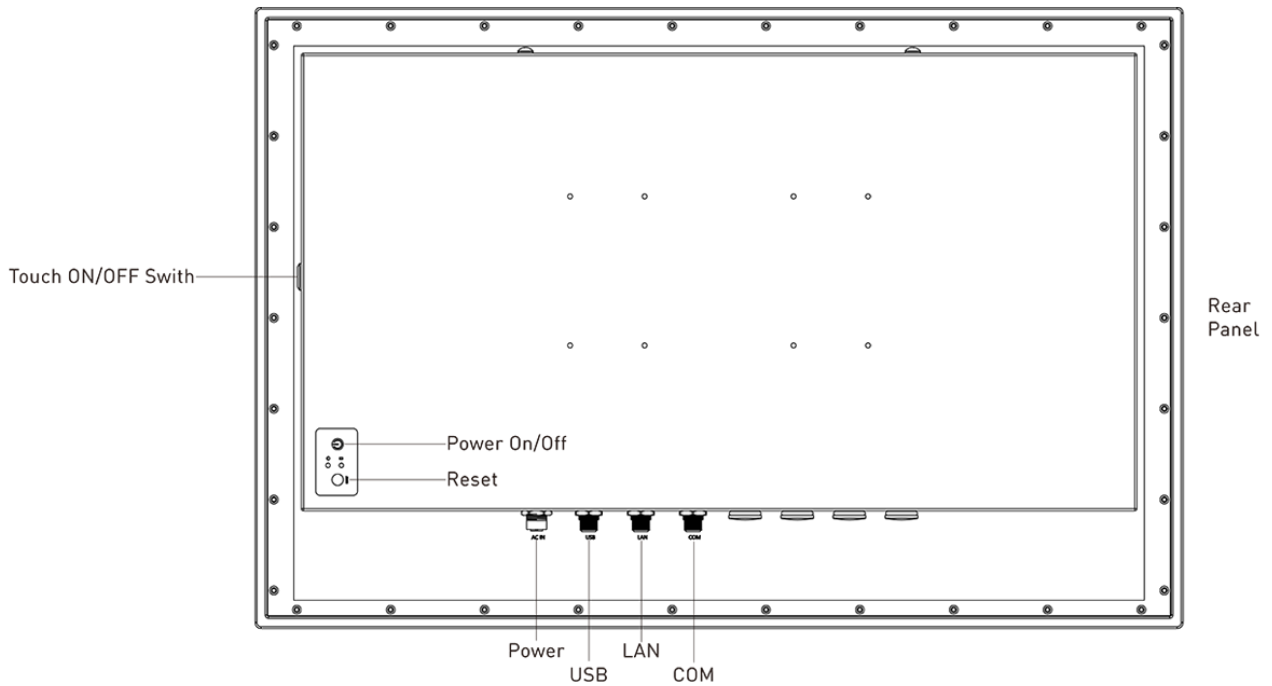
|                       |                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------|
| Operating Temperature | -20°C to 50°C                                                                            |
| 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 |

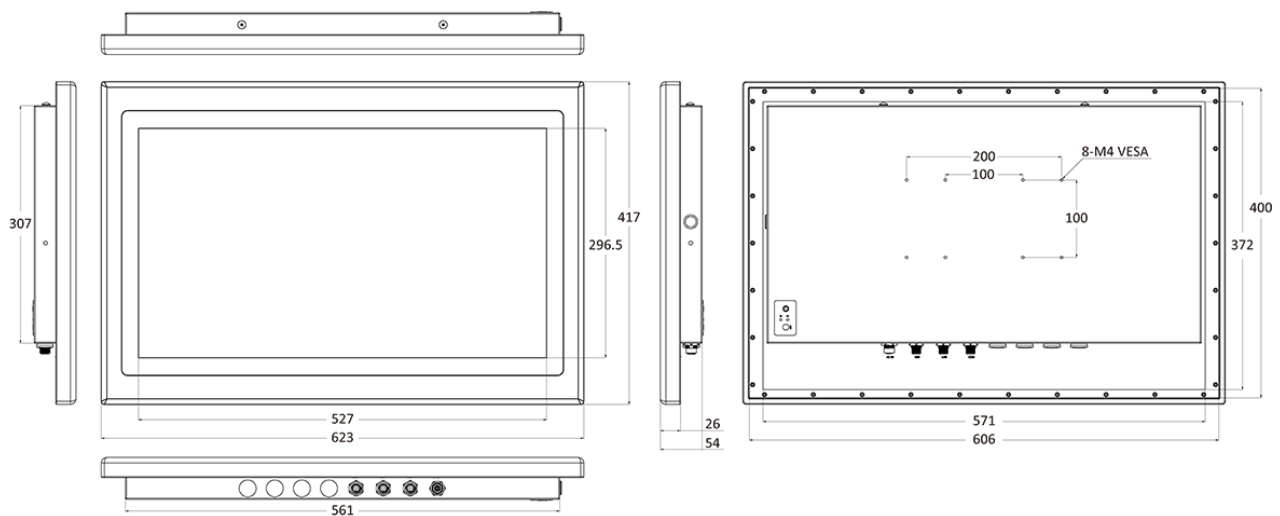
\* All specifications and photos are subject to change without notice.

### External I/O Mechanical Layout



### Dimension

Unit: mm





## SIO-W224-8365UE

### Available Models

| Model No.           | Description                                                                                    |
|---------------------|------------------------------------------------------------------------------------------------|
| SIO-W224R-i5-8365UE | 23.8" 16:9 FHD Resistive Touch Stainless Steel Panel PC with Intel® Core™ i5-8365UE Processor  |
| SIO-W224C-i5-8365UE | 23.8" 16:9 FHD Capacitive Touch Stainless Steel Panel PC with Intel® Core™ i5-8365UE Processor |

### 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-i5-8365UE
- 1x Waterproof Connector Cover Set



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