



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 ²)	350 (cd/m ²)
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 Projected Capacitive
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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) 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
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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 2x Additional USB 2.0 by M12 A-Code 8-pin 1x Additional LAN by M12 X-Code 8-pin 2x WiFi Antenna Power On/Off, Reset

Operating System

Windows	Windows 10
Linux	Linux kernel 3.X

Power

Power Adapter	Optional AC/DC 12V/5A, 60W Optional Waterproof Power Input Cable
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Power Mode	ATX
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Power Supply Voltage	110 ~ 240V AC Input Optional 12V DC Input
Power Connector	M12 A-code 4-pin

Environment

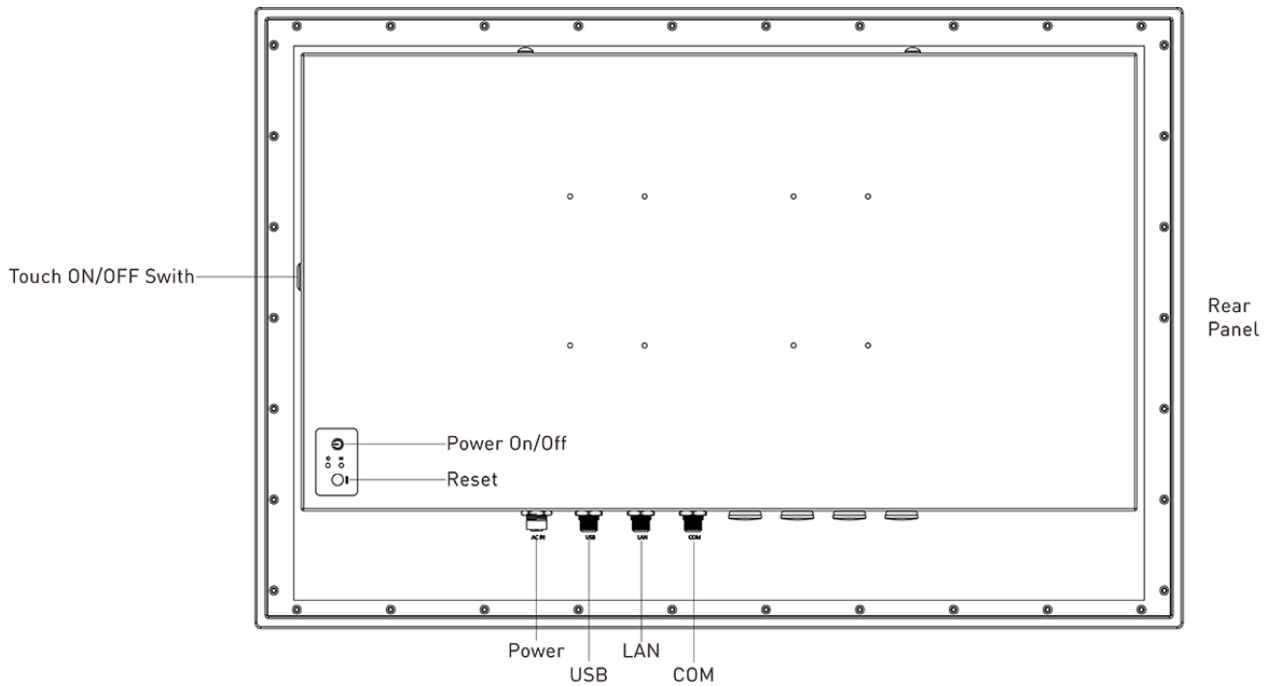
Operating Temperature	-20°C to 50°C
Storage Temperature	-20°C to 70°C
Relative Humidity	10% ~ 80% (non-condensing)
IP Level	Full System IP66/IP69K
Certification	CE, FCC Class A
Vibration	With SSD: 2.4 Grms, 5 - 500 Hz, 0.5 hr/axis With HDD: 1 Grms, 5 - 500 Hz, 0.5 hr/axis
Shock	With SSD: 20G, half sine, 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 Optional Yoke Mount, Panel Mount

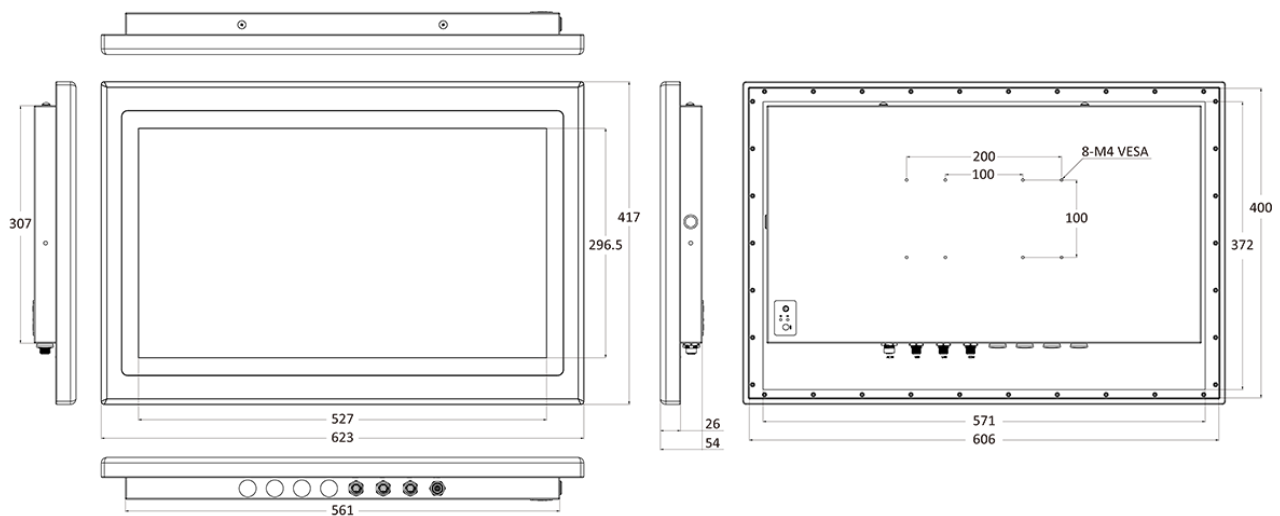
* All specifications and photos are subject to change without notice.

External I/O Mechanical Layout



Dimension

Unit: mm





SIO-W224-J1900

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



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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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