



Industrial Touch Screen Computer

SIO-W221-J1900

21.5" Stainless Steel Panel PC with Intel® Celeron® J1900



Features

- 21.5" Full HD 16:9 LCD with resistive 5-wire / projected capacitive touch
- Intel® Celeron® processor J1900, 2.0 GHz
- 1x 204-pin DDR3L SODIMM. max up to 8GB
- 1x mSATA
- 1x M12 LAN, 2x USB 2.0, 1x M12 COM
- 1x Full-size Mini PCIe for expansion
- Support 110V to 240V AC power input
- -20°C to 55°C operating temperature
- Full system IP66/IP69K with Stainless Steel SUS316 construction

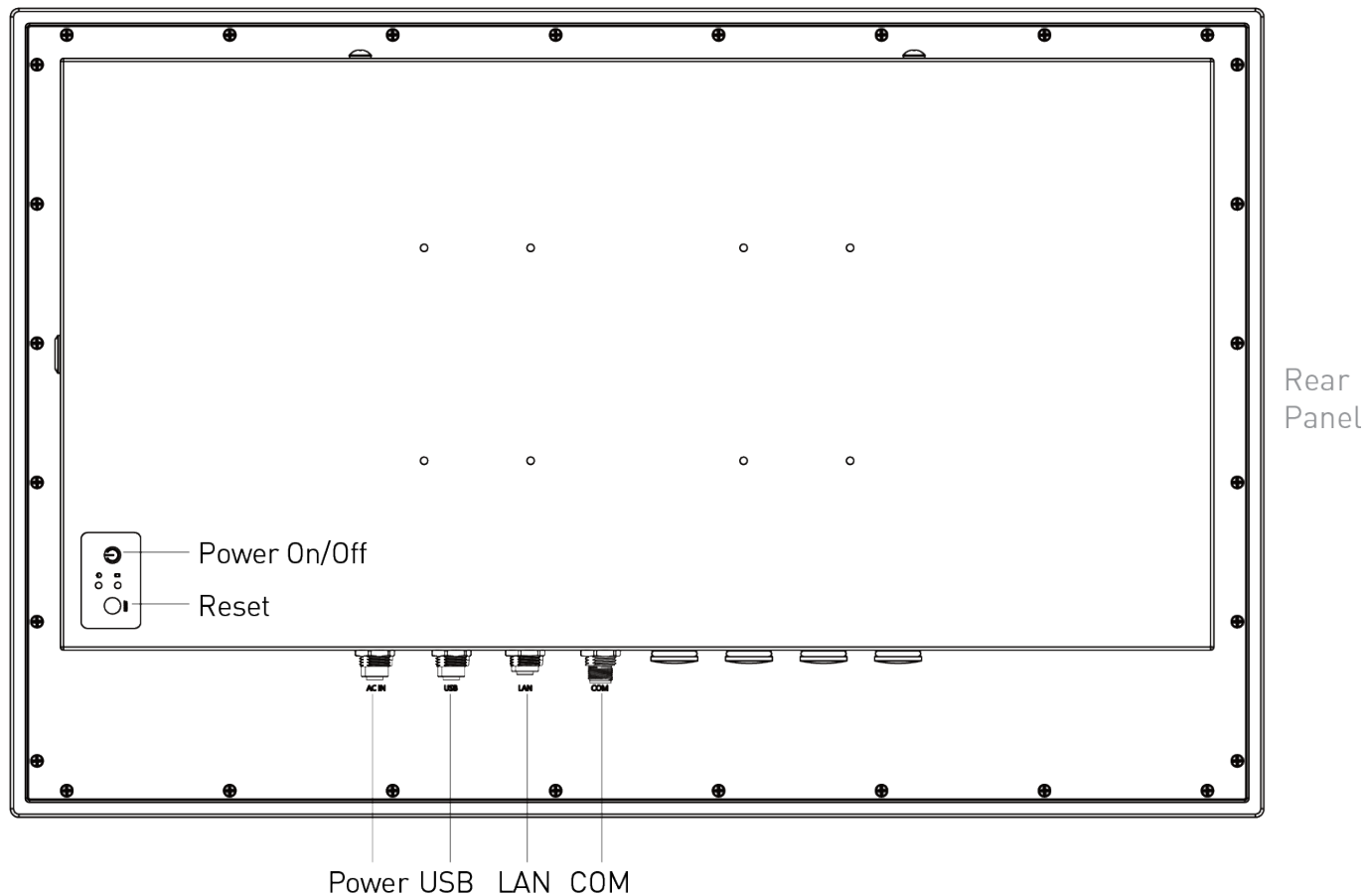
Specifications

Display Panel	
IP Rating	IP66/IP69K
LCD Size	21.5" (16:9)
Max. Resolution	1920 x 1080 (FHD)
Brightness (cd/m ²)	300
Contrast Ratio	1000:1
LCD Color	16.7M
Pixel Pitch (mm)	0.248 (H) x 0.248 (V)
Viewing Angle	178/178
Backlight MTBF	50000 hrs (LED Backlight)
Touch	
Touch Type	Resistive 5-wire 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) 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 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, Windows 7, WES7
Linux	Linux kernel 3.X

Power	
Power Adapter	Optional AC/DC 12V/5A, 60W Optional Waterproof Power Input Cable
Power Mode	ATX
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	588.5 (W) x 380 (H) x 52.8 (D) mm
Weights	SIO-W221R: 12.11Kg SIO-W221C: 11.97Kg
Construction	Stainless Steel SUS316
Mounting Options	VESA Mounting Holes 100 x 100mm Optional Yoke Mount, Panel Mount

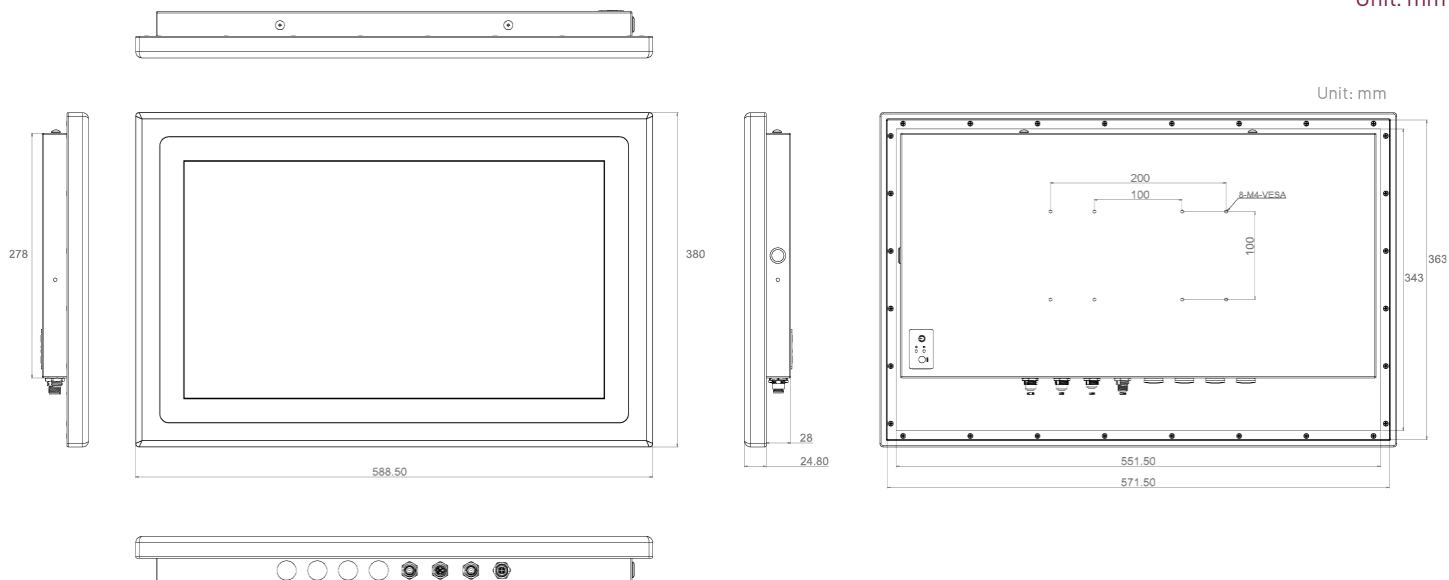
* All specifications and photos are subject to change without notice.

External I/O Mechanical Layout



Dimension

Unit: mm



Available Models

Model No.	Description
SIO-W221C-J1900-P	21.5" FHD Capacitive Touch Stainless Steel Panel PC with Intel® Celeron® Processor J1900, Waterproof Power Input Cable 3M included
SIO-W221R-J1900-P	21.5" FHD Resistive Touch Stainless Steel Panel PC with Intel® Celeron® Processor J1900, Waterproof Power Input Cable 3M included
SIO-W221HC-J1900-P	21.5" 1000+ Nits FHD Capacitive Touch Stainless Steel Panel PC with Intel® Celeron® Processor J1900, Waterproof Power Input Cable 3M included
SIO-W221HR-J1900-P	21.5" 1000+ FHD Resistive Touch Stainless Steel Panel PC with Intel® Celeron® Processor J1900, Waterproof Power Input Cable 3M included

Optional Accessories

Model No.	Description
1-E09A22801	Adapter AC/DC 24V/11.67A 280W with 3pin Terminal Block Plug 5.0mm Pitch
1-E09A22102	Adapter AC/DC 24V 9.2A 220W 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 SIO-W221-J1900
- 1x Utility DVD Driver
- 1x Waterproof Connector Cover Set

Exports And Tariff Codes

ECCN	EAR99
HTS	8528.59.1500
Schedule B	85.28