

## 12.1" Full Plane Capacitive Screen Aluminum Alloy Industrial Panel PC



### Key features:

- Support intel Celeron/Core i3, i5, i7 CPU, DDR3/4 memory,mSATA, M.2, 2.5-inch SATA hard drives
- Screen: 12.1" LED industrial screen, resolution 1024×768, aluminum alloy front panel IP65 waterproof, optional capacitive touch screen or resistive touch screen
- Support power-on and boot, built-in double horns, high and low temperature resistance (-10 to 50°C) uninterrupted and stable operation, support grounding wire
- 6 DB9 RS232 COM ports, optional RS422/485 switching, optional waterproof adhesive strip, support HDMI orVGA Extended Display
- 1 Gigabit LAN port (optional dual LAN port), 1 MINI-PCIE slot (optional WIFI Bluetooth or 4G module).
- Rugged metal chassis with or without fan for efficient heat dissipation, supporting embedded/VESA bracket and other mounting methods

### Product Introduction

The SCP-D 121SR/SZ aluminum alloy industrial panel PC is equipped with an intel Celeron/Core processor and supports mSATA and M.2 data storage, 2.5-inch SATA, rich COM (RS232/422/485), USB, LAN and other interfaces, expandable WIFI Bluetooth or 4G moduleThe optional waterproof adhesive strip better prevents moisture from penetrating into the cabinet, which has been widely used in the industrial field and embedded equipment, and is also equipped with HDMI or VGA video output for extended display, supporting Windows and LINUX systems.

It supports a wide temperature range (-10 to 50°C) and its streamlined design ensures efficient heat dissipation and strong shock resistance, making it a reliable industrial platform with safe grounding components to protect equipment more effectively. The screen adopts 12.1 inch LED backlit industrial screen, aluminum alloy front panel meets IP65 waterproof standard, and optional full-plane capacitive touchscreen or resistive touch screen.

The embedded and VESA mounting methods can be quickly and flexibly installed in various environments, and can be applied to industrial automation, power communication, medical education, transportation, logistics and warehousing, smart cities and other fields.

### Specifications

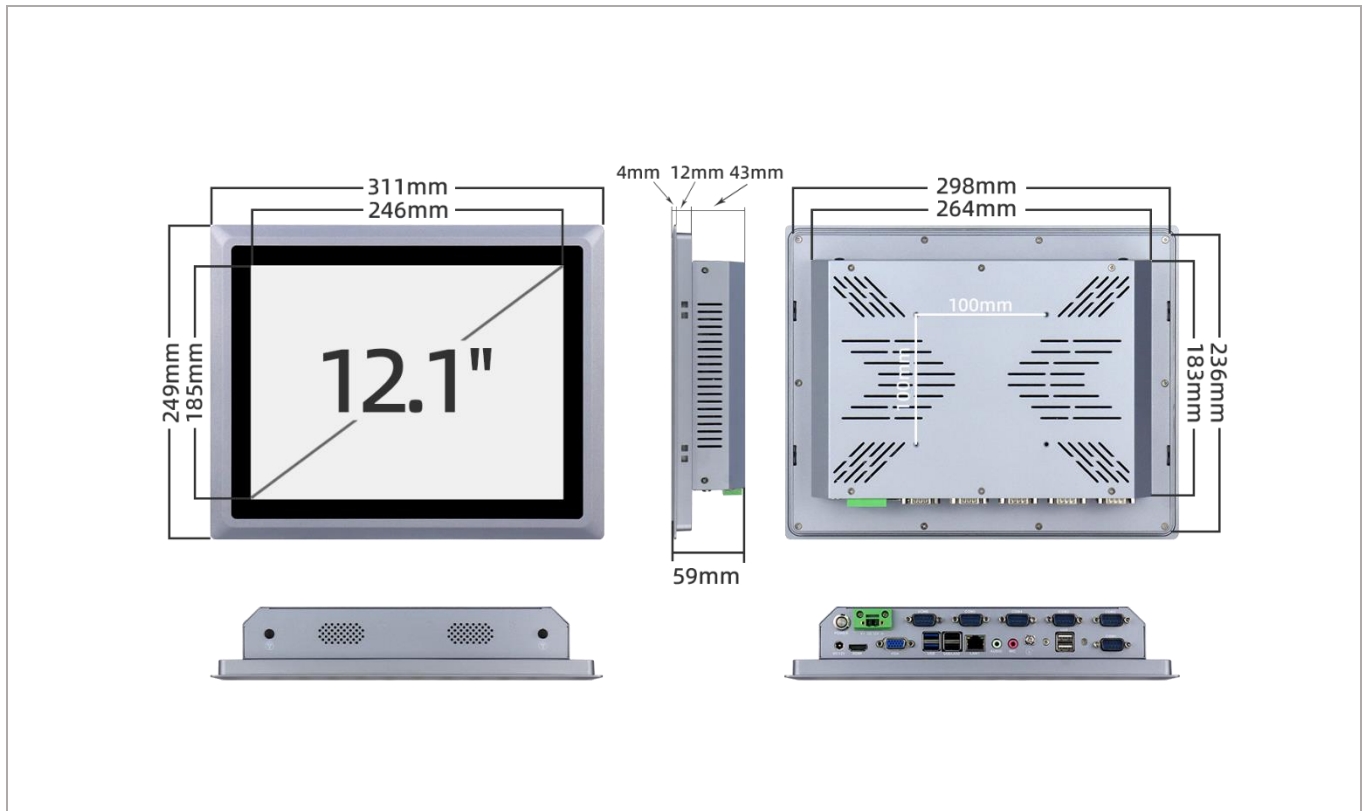
system		Structure	
C P U	intel Celeron J1900/J4125/J6412、Core i3/i5/i7	Front panel	Aluminum alloy: 4mm to thickness, 2mm to thin
Display the core	Intel core graphics	Ingress protection	The front panel is IP65 waterproof and dustproof
Memory support	4G DDR3 SO-DIMM	Chassis material	Sheet metal panel with ground terminals
Hard disk support	64G SSD SSD	Heat dissipation	Fanned or fanless cooling
Network chips	Gigabit Ethernet	Installation	Embedded, VESA mount type (100×100mm)
Audio chips	ntegrated audio chip (built-in dual speakers).	Product dimensions	311×249×59mm
Wireless communications	1 MINI-PCIE SLOT (OPTIONAL WIFI MODULE).	Recessed cut-outs	298×236mm
Power supply characteristics	Input AC 220V, DC 12V power adapter	Package size	390×330×155mm
Power on and on	Yes (Disabled by default, need to be enabled in BIOS)	Product color	Silver (grayish tint)
operating system	SupportWi ndows/Linux	Product weight	Net weight 2.7kg, gross weight 3.8kg
Display		Environment	
Screen type	12.1" LED, 43 front screen, 1024×768 @60Hz	Interference resistance	EMI/EMC interference detection standards
Color contrast	16.7M, 1000:1	ESD static electricity	The contact discharge ± 8KV, the air discharge ± 15KV
Screen brightness	300~500cd/m²	Vibration	5~500Hz, 2Grms random vibration

		resistance	
Viewing angle	Horizontal 160° / Vertical 150°	Shock resistant	Working Status: 10G@11ms, Non-Working Status: 20G@11ms
Viewable area	246×185mm	Working environment	-10°C ~ 50°C
Touch the screen	Optional full-plane capacitive touch screen or resistive touch screen	Storage environment	-20°C ~ 60°C
Surface hardness	Hardness ≥ 7H or ≥ 4H	relative humidity	10%~90% (no condensation)
I/O interface			
6×USB、1×VGA、1×HDMI、1×LAN、1×Audio、1×Mic、6×COM、1×Power、1×DC 12V、1×2pin、1×GND			

Product images



Dimensional interfaces



Ordering Information

Model	Touch	size	resolution	CPU	Memory	SSD	SATA	LAN	COM	HDMI	VGA	USB2.0	USB3.0	Power
SCP-D121SR/SZ (J1900)	Capacitive Screen / Resistive Screen	12.1"	1024×768	J1900/2.0 GHz	DDR3	1	1	1-2	6	1	1	5	1	DC 12V +2pin
SCP-D121SR/SZ (J4125)	Capacitive Screen / Resistive Screen	12.1"	1024×768	J4125/2.0GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (J6412)	Capacitive Screen / Resistive Screen	12.1"	1024×768	J6412/2.0GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (N4000)	Capacitive Screen / Resistive Screen	12.1"	1024×768	N4000/1.1GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (4205U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	4205U/1.8GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (5205U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	5205U/1.9GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (i5-3320M)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i5-3320M/2.6 GHz	DDR3	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (i3-4005U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i3-4005U/1.7GHz	DDR3	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (i5-4210U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i5-4210U/1.7GHz	DDR3	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (i5-6200U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i5-6200U/2.3 GHz	DDR3	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (i3-7100U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i3-7100U/2.4 GHz	DDR3	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (i5-7200U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i5-7200U/2.5GHz	DDR3	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (i7-7500U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i7-7500U/2.7GHz	DDR3	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (i7-7820HQ)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i7-7820HQ/2.9 GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D121SR/SZ (i3-8145U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i3-8145U/2.1GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D121SR/SZ (i5-8257U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i5-8257U/1.4GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D121SR/SZ (i5-8259U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i5-8259U/2.3GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D121SR/SZ (i5-8265U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i5-8265U/1.6GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D121SR/SZ (i5-8279U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i5-8279U/2.4GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D121SR/SZ (i5-8350U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i5-8350U/1.7GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D121SR/SZ (i5-8365U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i5-8365U/1.6GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D121SR/SZ (i7-8565U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i7-8565U/1.8GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D121SR/SZ (i5-10210U)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i5-10210U/1.6GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D121SR/SZ (i3-1125G4)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i3-1125G4/2.0GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D1045R/SZ (i5-1135G7)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i5-1135G7/2.4GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (i7-1165G7)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i7-1165G7/2.8GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (i5-11320H)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i5-11320H/3.2GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (i7-11390H)	Capacitive Screen / Resistive Screen	12.1"	1024×768	i7-11390H/3.4GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (6-12th Core)	Capacitive Screen / Resistive Screen	12.1"	1024×768	6/7/8/9/10/11/12th Core	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D121SR/SZ (13-14th Core)	Capacitive Screen / Resistive Screen	12.1"	1024×768	13/14th Core	DDR5	1	1	1-2	6	1	1	4	2	DC 12V +2pin

Configuration upgrade

name	description	remark
Memory sticks	4G / 8G / 16G	Optional
hard disk	64G / 128G / 256G / 512G / 1TB SSD, 500G / 1TB / 2TB 2.5-inch SATA hard drive	Optional
Wireless communication	2.4G/5G dual-band WIFI, Bluetooth or 4G module	Optional
LAN port	1-2 Gigabit Ethernet ports are optional	Optional
COM port	6 COM ports default RS232, optional 1-3 switch RS485/422	Optional
Case color	argent	Standard

## Accessories list

name	description	quantity	remark
Recessed snaps	For flush mounting	4	Standard
Power adapter	DC 12V 5A power adapter	1	Standard
Power cord	National standard, European standard, British standard, American standard, etc., the length can be 1.5m / 2m / 3m / 5m / 10m	1	Optional
Warranty card	Soncci logo / neutral	1	Optional
Certificate	Soncci logo / neutral	1	Optional
Wall mount bracket	The VESA100×100mm hole is used for wall mounting	1	Optional
Desk stand	The VESA100×100mm hole is used for mounting on the desktop	1	Optional