

15.6" 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 15.6" resolution 1920×1080, 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, support HDMI or VGA extended display, optional anti-vibration buffer waterproof adhesive strip
- 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

SCP-D156WR/WZ aluminum alloy industrial panel PC is equipped with intel Celeron/Core processor, data storage supports mSATA, M.2, 2.5-inch SATA, rich COM (RS232/422/485), USB, LAN and other interfaces, and expandable WIFI/Bluetooth or 4G module, optional anti-vibration buffer waterproof adhesive strip to better prevent moisture from penetrating into the cabinet, has been widely used in industrial fields and embedded devices, 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 a 15.6-inch LED backlit industrial screen, the aluminum alloy front panel meets the IP65 waterproof standard, and the all-plane capacitive touch screen or resistive touch screen can be selected.

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

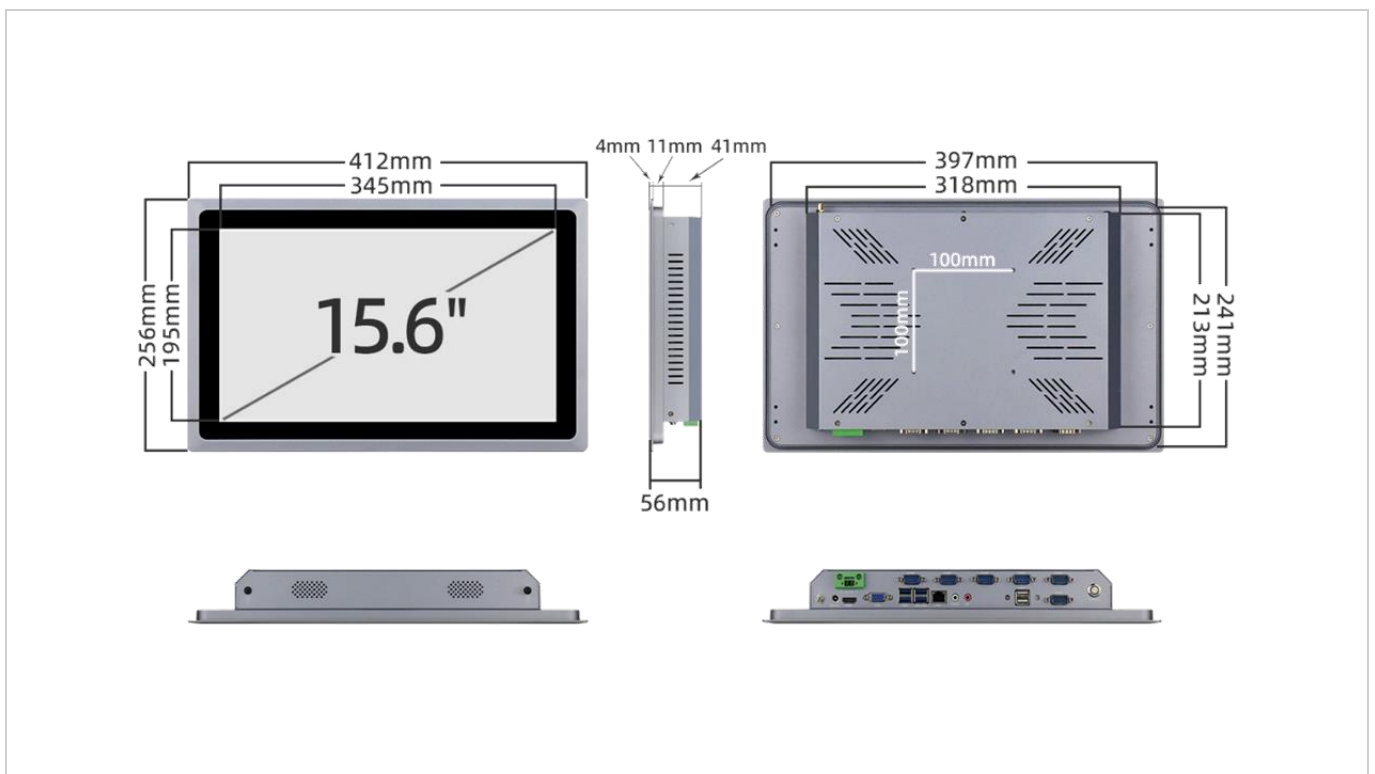
system		Structure	
CPU	intel Celeron J1900/J4125/J6412、Core i3/i5/i7	Front panel	Aluminum alloy: 4mm to thickness, 2mm to thin
Display the core	intel HD Graphics	Ingress protection	The front panel is IP65 waterproof and dustproof
Memory support	DDR3/4 SO-DIMM	Chassis material	Galvanized steel SECC with grounding terminals
Hard disk support	mSATA/M.2/2.5 inch SATA	Heat dissipation	Fanned or fanless cooling
Network chips	Gigabit Ethernet	Installation	Embedded, VESA mount type (100×100mm)
Audio chips	Integrated audio chip (built-in dual speakers).	Product dimensions	412×256×56mm
Wireless communications	1× MINI-PCIE (OPTIONAL EXPANSION WIFI/BLUETOOTH/4G MODULE)..	Recessed cut-outs	397×241mm
Power supply characteristics	Input AC 220V, DC 12V power adapter	Package size	490×350×155mm
Power on and on	Yes (Disabled by default, need to be enabled in BIOS)	Product color	Silver (grayish tint)
operating system	Support Windows/Linux	Product weight	Net weight 35kg, gross weight 4.8kg
Display		Environment	
Screen type	15.6" LED, 169 widescreen, 1920×1080 @60Hz	Interference resistance	EMI/EMC interference detection standards

Color contrast	16.7M, 1000:1	ESD static electricity	The contact discharge $\pm 8KV$, the air discharge $\pm 15KV$
Screen brightness	300~500cd/m ²	Vibration resistance	5~500Hz, 2Grms random vibration
Viewing angle	Horizontal 160° / Vertical 150°	Shock resistant	Working Status: 10G@11ms, Non-Working Status: 20G@11ms
Viewable area	345×195mm	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 $\geq 7H$ or $\geq 4H$	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-D156SR/SZ (J1900)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	J1900/2.0 GHz	DDR3	1	1	1-2	6	1	1	5	1	DC 12V +2pin
SCP-D156SR/SZ (J4125)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	J4125/2.0GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (J6412)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	J6412/2.0GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (N4000)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	N4000/1.1GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (4205U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	4205U/1.8GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (5205U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	5205U/1.9GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (i5-3320M)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i5-3320M/2.6 GHz	DDR3	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (i3-4005U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i3-4005U/1.7GHz	DDR3	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (i5-4210U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i5-4210U/1.7GHz	DDR3	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (i5-6200U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i5-6200U/2.3 GHz	DDR3	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (i3-7100U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i3-7100U/2.4 GHz	DDR3	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (i5-7200U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i5-7200U/2.5GHz	DDR3	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (i7-7500U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i7-7500U/2.7GHz	DDR3	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (i7-7820HQ)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i7-7820HQ/2.9 GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D156SR/SZ (i3-8145U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i3-8145U/2.1GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D156SR/SZ (i5-8257U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i5-8257U/1.4GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D156SR/SZ (i5-8259U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i5-8259U/2.3GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D156SR/SZ (i5-8265U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i5-8265U/1.6GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D156SR/SZ (i5-8279U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i5-8279U/2.4GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D156SR/SZ (i5-8350U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i5-8350U/1.7GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D156SR/SZ (i5-8365U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i5-8365U/1.6GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D156SR/SZ (i7-8565U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i7-8565U/1.8GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D156SR/SZ (i5-10210U)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i5-10210U/1.6GHz	DDR4	1	1	1-2	6	1	1	2	4	DC 12V +2pin
SCP-D156SR/SZ (i3-1125G4)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i3-1125G4/2.0GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (i5-1135G7)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i5-1135G7/2.4GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D150SR/SZ (i7-1165G7)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i7-1165G7/2.8GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (i5-11320H)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i5-11320H/3.2GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (i7-11390H)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	i7-11390H/3.4GHz	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (6-12th Core)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	6/7/8/9/10/11/12th Core	DDR4	1	1	1-2	6	1	1	4	2	DC 12V +2pin
SCP-D156SR/SZ (13-14th Core)	Capacitive Screen / Resistive Screen	15.6 "	1920x1080	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