

## VESA Mount, Desktop Mount Panel PC

Industrial Touch Panel Solutions





SD-OMEGA offers a comprehensive selection of industrial touch panel PCs. In addition to our standard products, also developed new products like this i-Series panel PC, which has a more sturdy rear cover, we offer our customers high flexibility in terms of customization.

We support various customization items including storage capacities, interfaces, mounting options, and more. All the products are built by rigorous quality testing throughout the product development cycle. These panel PCs are widely used in fields of automation, kiosk, retail, digital signage, marine, vehicles, and medical.

## Features

- High-performance CPU, newly upgraded configuration, up to Intel i7 processor.
- Mute fanless for the cooling system, offer powerful heat dissipation performance.
- Default with 8G DDR4 + 128G SSD storage, support upgrade
- IP65 dustproof and waterproof.
- High-speed transmission capability: Dual Gigabit Ethernet, supports WiFi 2.4G/5G.
- ESD anti-static, contact 4KV, air 8KV.
- Support 12V-36V wide voltage for power supply
- Support multiple operating systems, such as Windows, Ubuntu, and CentOS.

## Product Model Quick Guide

Model	LCD Display	Resolution	Aspect Ratio	Touch Screen Type
SD070-W11	7"	1024*600	16:9	Capacitive / Resistive / Non-Touch
SD080-W11	8"	1024*768	4:3	Capacitive / Resistive / Non-Touch
SD101-W11	10.1"	1280*800	16:10	Capacitive / Resistive / Non-Touch
SD104-W11	10.4"	1024*768	4:3	Capacitive / Resistive / Non-Touch
SD116-W11	11.6"	1920*1080	16:9	Capacitive / Resistive / Non-Touch
SD120-W11	12"	1024*768	4:3	Capacitive / Resistive / Non-Touch
SD121-W11	12.1"	1280*800	16:10	Capacitive / Resistive / Non-Touch
SD133-W11	13.3"	1920*1080	16:9	Capacitive / Resistive / Non-Touch
SD150-W11	15"	1024*768	4:3	Capacitive / Resistive / Non-Touch
SD156-W11	15.6"	1920*1080	16:9	Capacitive / Resistive / Non-Touch
SD170-W11	17"	1280*1024	5:4	Capacitive / Resistive / Non-Touch
SD173-W11	17.3"	1920*1080	16:9	Capacitive / Resistive / Non-Touch
SD185-W11	18.5"	1920*1080	16:9	Capacitive / Resistive / Non-Touch
SD190-W11	19"	1280*1024	5:4	Capacitive / Resistive / Non-Touch
SD191-W11	19.1"	1440*900	16:10	Capacitive / Resistive / Non-Touch
SD215-W11	21.5"	1920*1080	16:9	Capacitive / Resistive / Non-Touch
SD238-W11	23.8"	1920*1080	16:9	Capacitive / Resistive / Non-Touch

## PRODUCT PARAMETERS:

Hardware Configuration	CPU ( i3 )	i3-6100U 2.3Ghz	4GB DDR4 (8/16/32GB)	128GB SSD (256/512GB)
		i3-8145U 2.1Ghz	4GB DDR4 (8/16/32GB)	128GB SSD (256/512GB)
		i3-10110U 2.1Ghz	8GB DDR4 (16/32/64GB)	128GB SSD (256/512GB)
	CPU ( i5 )	i5-6200U 2.3Ghz	4GB DDR4 (8/16/32GB)	128GB SSD (256/512GB)
		i5-7200U 2.5Ghz	4GB DDR4 (8/16/32GB)	128GB SSD (256/512GB)
		i5-8265U 1.6Ghz	4GB DDR4 (8/16/32GB)	128GB SSD (256/512GB)
		i5-10210U 1.6Ghz	8GB DDR4 (16/32/64GB)	128GB SSD (256/512GB)
	CPU ( i7 )	i7-6500U 2.5 Ghz	4GB DDR4 (8/1 6/32GB)	128GB SSD (256/512GB)
		i7-7500U 2.7Ghz	4GB DDR4 (8/16/32GB)	128GB SSD (256/512GB)
		i7-8565U 1.8Ghz	4GB DDR4 (8/16/32GB)	128GB SSD (256/512GB)
		i7-10510U 1.8Ghz	8GB DDR4 (16/32/64GB)	128GB SSD (256/512GB)
	Graphics Card	Intel HD Graphics 520, Intel HD Graphics 620, Intel HD Graphics 630		
	OS	Windows 7 (Professional/Ultimate) / Windows 10 (Professional/Enterprise/Home) / Windows 11 (Professional) / Ubuntu (16.04.7/18.04.5/20.04.3) / Centos (7.6/7.8)		
	3G/4G Module	Support		
	WiFi	Dual-band 2.4/5G		
	Bluetooth	BT4.2		
GPS	Optional			
MIC	Optional			
RTC	Support			
Timer Switch	Optional			
Wake on LAN	Support			

The following interface parameters are only for the i3-6100U, for other configuration options, please contact us for details.

Interface Parameter	USB	8"~10.4": 2*USB2.0, Other size: 3*USB2.0*3+1*USB3.0
	DC	1*DC 2.5; Support wide voltage 12V~36V power supply
	HDMI	Support HDMI data output, maximum support 1080P
	VGA	Standard DB15 interface
	RJ45	1*Realtek 8111F Gigabit interface, support wake-on-LAN
	Earphone Jack	3.5mm standard interface
	SIM Card	The standard interface supports various formats
	Serial Interface	8"~10.4": 1*COM; other sizes: 2*COM; Default with RS232 protocol, RS422/RS485 protocol optional.
Screen Parameters	Color	16.7M
	Pixel Pitch	0.264mm
	Screen Panel	Industrial control screen
	Contrast	800:1
	Display Brightness	300cd/m2 (high brightness above 400cd/m2 can be customized)
	Viewing Angle	85/85/85/85 (L/R/U/D)
	Backlight Type	LED backlight, screen life $\geq$ 50000h
	Response Time	6.5ms
	Touchscreen Type	Non-touch, capacitive touchscreen, and resistive touchscreen for optional
	Installation Method	Panel mount, embedded mount, wall-hanging, desktop, VESA
Product Reliability	Operating Temperature	-10°C ~ 60°C
	Storage Temperature	-20°C ~ 70°C
	Humidity	10% to 95% (non-condensing)
Power Adapter	Power Consumption	$\leq$ 48W
	Power Input	AC 100-240V 50/60Hz; with CCC, CE certification
	Power Output	DC12V / 5A