

15 inch Android Panel PC With Factory Wholesale Price

Size: 15"

industrial grade panel PCs with Android system are designed for industrial automation, poin-of-sale, healthcare, home automation and more. Offer capacitive, or non-touch screen technology.







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Model: SD150-A2

- LCD display: 15-inch
- Resolution: 1024*768
- Aspect ratio: 4:3 widescreen
- CPU: SDA64 Cortex-A53 quad-core 1.2GHz
(SD3288 Cortex-A17 quad-core 1.8GHz; SD3399 two Cortex-A72 + four Cortex-A53, six-core 1.8GHz for optional)
- RAM: 2G DDR3 (4/8/16G optional)
- Memory: 64G SSD (128/256G optional)
- Operating system: Android 6.0 / 7.1 / 9.0 / 10.0 and more.
- Touch technology: Capacitive (Non-touchscreen optional)

SD-OMEGA industrial touch screen all-in-one panel PC with Android OS delivers high-quality picture and smooth operation for users no matter for indoor or outdoor devices under harsh conditions. SD-OMEGA all-in-one PCs are designed for multi applications and withstand a wide operating temperature range.

SD-OMEGA Android Industrial Panel PC Features

- Offer many installation styles: desktop, embedded, wall-mounted panel mount, and VESA.
- Color: black or silver, offer appearance color customization service.
- These industrial all-in-one PCs have passed IP65 waterproof and dustproof standards.
- Working temperature is -20~70 Celsius degree, humidity range is 10%~90%.
- Support long-term, all-weather operation, 365 days*24 hours long-time without interruption.

- It is designed with a 3mm bezel thin front bezel, suitable for embedding into other devices.
- Aluminium alloy shell, high performance for heat-dissipation.
- Support non-touch and capacity touch screen.
- Standard I/O interfaces: VGA, HDMI, DVI, automatic identification signal channel, also support other customized multi-ports.
- Special design for DC power port with anti-shedding.
- Anti-interference design to meet EMI / EMC standards.
- Triple protection for the monitor: explosion-proof, moisture-proof, and flameproof.
- Shock resistance for industrial computers reaches GB2423, it can be well-protected during transportation.
- The anti-static level of contact is 4KV, supporting customized MAX 16KV for industrial panel PCs.
- Offer a multitude of ports for customers according to different applications. Support I/O expansion.

Display Parameters	Size	15"
	Resolution	1024x768
	Screen Ratio	4:3
	Brightness	350 nits (Optional high brightness)
	Contrast Ratio	1000:1
	Viewing Angle	89/89/89/89 (L/R/U/D)
	Backlight type	LED backlight screen, service life ≥ 50000H

	Touch Screen	Capacitive, Resistive, or Non-touch options						
Motherboard Model Selection		SD64	SD3288-I	SD3399-MAIN-L	SD3399-A	SD3568-A	SD3588-A	SD3588-G
System Architecture	CPU	A64 Quad-Core 1.5GHz	RK3288 Quad-Core 1.8GHz	RK3399 Six-Core 2.0GHz	RK3399 Six-Core 2.0GHz	RK3568 Quad-Core 2.0GHz	RK3588 Octa-Core 2.1GHz	RK3588 Octa-Core 2.1GHz
	Core Architecture	Cortex-A53	Cortex-A17	Dual-Core Cortex-A72 + Quad-Core Cortex-A53	Dual-Core Cortex-A72 + Quad-Core Cortex-A53	Cortex-A55	Quad-Core Cortex-A76 + Quad-Core Cortex-A55	Quad-Core Cortex-A76 + Quad-Core Cortex-A55
	GPU	Mali-T764	Mali-T764	Mali-T860 MP4	Mali-T860 MP4	Mali-G52 2EE	Mali G610 MP4	Mali G610 MP4
	Memory (DDR)	2GB (8GB optional)	2GB (4GB optional)	4GB	2/4GB	2GB (4/8GB optional)	4GB (8/32GB optional)	8GB (16/32GB optional)
	Storage (eMMC)	16GB (32/64GB optional)	16GB (32/64/128/256GB optional)	32GB (64GB optional)	32/64GB (256GB optional)	32GB (64/128/256GB optional)	64GB (128/256GB optional)	64GB (128/256GB optional)
	SATA	/	/	/	/	Support	/	1*SATA hard drive port
	Operating System	Android 6.0	Android 7.1 / 10.0 / Linux4.4 /	Android 7.1 / 9.0 / 11 /	Android 7.1/9.0/11,	Android 12 / Linux5.10 /	Android 13.0	Android 12 / Linux 5.10 / Debian11 /

			Ubuntu18.04 / Debian10.0	Ubuntu18.04 / Debian10.0 / Linux4.4	Linux 4.4 / Ubuntu 18.04 / Debian 10	Ubuntu 20.04 / Debian 11		Ubuntu 20.04
Networki ng	Ethernet	1*10M/100M/100M adaptive Ethernet	1*10M/100M/100M adaptive Ethernet	1*10M/100M/100M adaptive Ethernet	1*10M/100M/100M adaptive Ethernet	1*10M/100M/100M adaptive Ethernet	1*Gigabit Ethernet + 1*100 Mbit Ethernet	2*10M/100M/1000M adaptive Ethernet
	4G	Optional. Based on the 4G module selection						
	5G	/	/	/	/	/	/	Support M.2 5G module interface
	WIFI	2.4G	Dual-band 2.4/5G	Dual-band 2.4/5G	Dual-band 2.4/5G	WIFI6, 2.4G	WIFI6, Dual-band 2.4/5G	WIFI5/WIFI6 (optional), dual-band 2.4/5G
	Bluetooth	BT5.0	BT5.0	BT5.0	BT5.0	BT5.2	BT5.0	BT4.2 (WIFI 5) / BT5.0 (WIFI 6)
Display Function	LVDS	Support 1920*1080 60Hz output						
	EDP	/	1920*1080 60Hz output					4K 3840*2160 output
	MIPI	Support 1920*1080 60Hz output						
	Mipi Camera	30pin FPC interface, support 1300W Camera						

	HDMI Output	HDMI 2.0, support 4K 3840*2160 60Hz output					HDMI 2.1, support 8K 7680*4320 60Hz output		
	HDMI Input	/	HDMI Input, 24-pin FPC custom interface	/	HDMI Input, 24-pin FPC custom interface	/	/	HDMI 2.0, support 4K 3840*2160 60Hz input	
Touch Function	Touch Interface	USB/IIC	USB	USB/IIC					
I/O Ports	MICRO USB	1*MICRO USB (OTG)	/	/	/	/	/		
	USB 2.0	USB2.0*2 + USB2.0*4 on board	USB2.0*2 (including OTG*1) + USB2.0*6 on board	USB2.0*5 on board	USB2.0*1 + USB2.0*5 on board	USB2.0*4 on board	USB2.0*1 + USB2.0*4 on board	USB2.0*5 on board	
	USB 3.0	/	/	USB3.0*2 (including OTG*1)	USB3.0*1 (OTG)	USB3.0*2 (including OTG*1)	USB3.0*1 (OTG)	USB3.0*4 (including OTG*1)	
	RS232	3*RS232/TTL mutual conversion	1*RS232, 2*TTL/RS232 optional	RS232*2	RS232*2	RS232*2	RS232*2	RS232*1; RS232/TTL*2 (optional)	
	RS485	/ (Unless install RS232 to RS485 converter)		RS485*1	RS485*1	RS485*1	RS485*1	RS485*1	

	TTL	3*RS232 /TTL mutual conversion	1*RS232, 2*TTL/RS232 optional	TTL*2	TTL*2	TTL*2	TTL*2	TTL*1; RS232/TTL*2 (optional)
	GPIO	3*GPIO output, 1*GPIO input, and 1*ADC port	GPIO*7 (input/output)	GPIO*8 (input/output)	GPIO*8 (input/output)	GPIO*12 (input/output)	GPIO*6 (input/output)	
	SIM Slot	Support	Support	Support	Support	Support	Support	
	TF Slot	Support	Support	Support	Support	Support	Support	
	CAN	/	/	/	/	Support	Support	
	Speaker	3.5mm standard Jack						
	MIC	Support	Support	Support	Support	Support	Support	
	Audio Port	3.5mm earphone jack, support input/output						
	I/O Expansion	Available						
Power	Power Input	12V DC	12V DC	12-36V DC	12-36V DC	12-36V DC	12-36V DC	12-36V DC
	Adapter	12V / 4A	12V / 4A	24V / 2.5A	24V / 2.5A	24V / 2.5A	24V / 2.5A	24V / 2.5A

Mechanical	Dimension	378*300*63.6mm
	Enclosure	Aluminum alloy housing
	Cooling System	Fanless
	Mounting	Panel-mount, Embedded, desktop, wall-mounted, VESA75/100mm, open frame, etc.
Product Reliability	Working Temp	-20°C ~ 70°C
	Storage Temp	-30°C ~ 80°C
	Ambient Humidity	5% - 95% (relative humidity non-condensing)
	IP rating	Front IP65