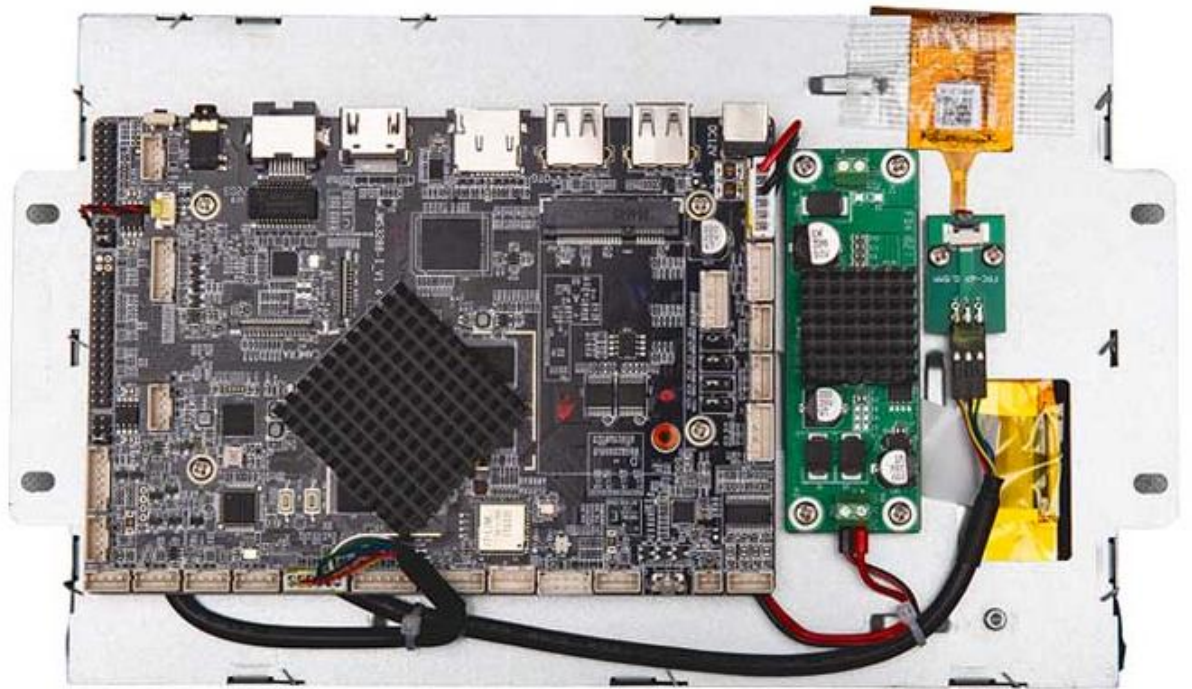# Android Screen Open Frame Panel PCs For Machinery / Kiosk / Control Cabinets

Size: 7" / 8" / 10.1" / 11.6"

SD-OMEGA open-frame Android panel PCs deliver high performance, and designs with a compact footprint. They are resistant to dust, water, humidity, shock, and vibration. Ideal for industrial environments, including industrial machines, control cabinets, digital signage, kiosks, etc.

7 inch, 8 inch, 10.1 inch, and 11.6 inch Open Frame Android Screens

SD-OMEGA new updated open frame panel PCs with Android operation systems and flat panels. Ideal for embedding into space-limited equipment that has an elegant shell, such as industrial machinery, kiosks, and digital signage. These panel PCs are equipped with abundant ports, and have high scalability, meeting a variety of Peripherals' connection requirements.

Product Features

- 7" / 8 " /10.1" / 11.6" options
- RK3288, Cortex-A17 quad-core processor, 1.8GHz
- Android 7.1, 2GB DDR3, 16GB eMMC (upgradable)
- Multi-touch capacitive touchscreen
- Self-developed industrial-grade ARM architecture motherboard
- 12 ~ 36V wide voltage operation
- Rich interface, a number of serial port/TTL interfaces optional
- Anti-electromagnetic interference meets EMI/EMC testing standards
- Provide SDK to support secondary development and debugging

Open Frame Panel PC - Product Model Quick Guide

Model	LCD Display	Resolution	Aspect Ratio	Touch Screen Type
SD070-A16	7"	1024*600	16:9	Capacitive
SD080-A16	8"	1024*768	4:3	Capacitive
SD101-A16	10.1"	1280*800	16:10	Capacitive
SD116-A16	11.6"	1366*768	16:9	Capacitive

Hardware Configuration	CPU	RK3288, Quad-Core 1.8GHz
	GPU	Mali-T764
	RAM	DDR3 2GB (8GB optional)
	Storage	eMMC 16GB (8/32/64GB optional)
	OS	Android 7.1/10.0/12.0 / Linux4.4 / Ubuntu18.04 /20.04 / Debian10.0
	WiFi	Dual-band 2.4/5G

	Bluetooth	BT5.0
	GPS	Optional
	MIC	Optional
	RTC	Support
	Timer Switch	Support
Interface Parameter	USB	1*USB OTG, 1*USB HOST, 4*USB sockets
	DC	1*DC 2.1; Support wide voltage 12V~36V power supply
	SD/TF	Support
	RJ45	1*10M/100M/1000M adaptive Ethernet
	Earphone Jack	3.5mm standard interface
	SIM Card	Standard SIM card slot
	COM	Default with 2*RS232,1*DEBUG port, 2*TTL for optional
Screen Parameters	LCD Screen	7" / 8" / 10.1" / 11.6" TFT LCD
	Color	16.7M
	Pixel Pitch	0.264mm
	Screen Panel	Industrial control screen
	Contrast	800:1
	Display Brightness	300cd/m2 (high brightness can be customized)
	Viewing Angle	85/85/85/85 (L/R/U/D)
	Backlight Type	LED backlight, screen life ≥ 50000h
	Touchscreen Type	Capacitive touchscreen
	Installation Method	POpen frame
Product Reliability	Operating Temperature	-10°C ~ 60°C
	Storage Temperature	-20°C ~ 70°C
	Humidity	10% to 95% (non-condensing)
Power	Standby Power Consumption	18W
	Input voltage	DC 12V ~36V