Industrial Android Tablet PC PoE Dual LAN Ethernet Android 12.0 / 7.1 / 9.0 / 10.0

Size: 10.1" ~ 21.5"

SD-OMEGA 5th-GEN industrial panel PCs with Android operating system, specially designed for very heavy-duty harsh environments. They are built with fully Aluminum alloy housing, and offering excellent dustproof, waterproof, and shockproof performance. They are support Wi-Fi and Ethernet LAN port and features a multi-point capacitive touch panel.

Industrial Rugged Panel PC with Android OS and 7mm Front Bezel - SD-OMEGA 5th-GEN Series

SD-OMEGA fifth-generation Android all-in-one panel PC is specially designed for harsh industrial environments. They are not only built with reliable and stable quality assurance but also have passed serious industrial-grade inspection and certification. It supports capacitive, resistive, and non-touch modes, offering more flexible operation.

Fully closed aluminum alloy housing, rugged and robust. With dustproof, waterproof, and shockproof design, highly suitable for an industrial complex environment. Supports HDMI, USB, DC, TC, SIM, RJ45, and other interfaces, equipped with WiFi antenna to enhance the signal. These panel PCs support embedded mount, wall-mounted, VESA, desktop, and other installation methods. Support plug-and-play, remote wake-up, automatic reset, and other functions.

Product Features

- 10.1 inch to 21.5 inch for option, multi-color LCD screen resolution available
- Standard PCAP touchscreen or resistive touchscreen
- Fully enclosed fanless dustproof design
- Industrial LED touch screen, backlight life of over 50,000 hours
- Aluminum alloy casing, corrosion/heat /chemical damage resistance
- Ports: USB / DC / TF / SIM / HDMI / RG45 interface, etc
- 350 Nits (Cd/m2) ~ 1,500 Nits (Cd/m2) high brightness display
- Wide dimming range
- Various installation methods to adapt to multiple environments
- Support Android system customization, support customer upper APP development
- CE, RoHS certified
- IP65 dust-proof and waterproof full-sealed front panel

● 3-year warranty

Product Model Quick Guide:

Model	LCD Display	Resolution	Aspect Ratio	Touch Screen Type
SD101-A5	10.1"	800*1280	16:10	Capacitive / Resistive / Non-Touch
SD104-A5	10.4"	1024*768	4:3	Capacitive / Resistive / Non-Touch
SD116-A5	11.6"	1920*1080	16:9	Capacitive / Resistive / Non-Touch
SD120-A5	12"	1024*768	4:3	Capacitive / Resistive / Non-Touch
SD150-A5	15"	1024*768	4:3	Capacitive / Resistive / Non-Touch
SD156-A5	15.6"	1920*1080	16:9	Capacitive / Resistive / Non-Touch
SD170-A5	17"	1280*1024	5:4	Capacitive / Resistive / Non-Touch
SD173-A5	17.3"	1920*1080	16:9	Capacitive / Resistive / Non-Touch
SD190-A5	19"	1280*1024	5:4	Capacitive / Resistive / Non-Touch
SD191-A5	19.1"	1440*900	16:10	Capacitive / Resistive / Non-Touch
SD215-A5	21.5"	1920*1080	16:9	Capacitive / Resistive / Non-Touch

reen Parameters	Gray-scale response time	5ms					
	Panel type	Industrial control A level screen with TFT					
	Point distance	0.264mm					
	Contrast	600:1 / 800:1 / 1000:1					
	Backlight type	LED, span life≥50000h					
	Display color	16.7M					
	Visual angle	160/160°(178° full view angle is customizable)					
	Brightness	300~1500cd/m2 (support high brightness)					
	Touch-type	Resistive / Capacitive / Mouse control					
Motherboard Model Selection		**SD64**	**SD3288-I**	**SD3399-MAIN-L**	**SD3399-A**	**SD3568-A**	**SD3588-A**
Hardware Configuration	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

Memory	2GB (8GB optional)	2GB (4GB optional)	4GB	2/4GB	2GB (4/8GB optional)	8GB (16GB optional)
Storage	16GB (32/64GB optional)	16GB (32/64GB optional)	32GB (64GB optional)	32/64GB (256GB optional)	32GB (64/128GB optional)	64GB (128GB optional)
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
Operating System	Android 6.0	Android 7.1 / 10.0 / Linux4.4 / Ubuntu18.04 / Debian10.0	Android 7.1 / 9.0 / 11 / Ubuntu18.04 / Debian10.0 / Linux4.	Android 7.1/9.0/11, Linux 4.4 / Ubuntu 18.04 / Debian 10	Android 12 / Linux5.10 / Ubuntu 20.04 / Debian 11	Android 13.0
GPU	Mali-T764	Mali-T764	Mali-T860MP4	Mali-T860 MP4	Mali-G52 2EE	Mali G610 MP4
4G/5G Module	Support (Optional)	Support (Optional)	Support (Optional)	Support (Optional)	Support (Optional)	Support (Optional)
WIFI	2.4G (dual-band 2.4/5G optional)	2.4G (dual-band 2.4/5G optional)	Dual-band 2.4/5G	Dual-band 2.4/5G	Dual-band 2.4/5G	Dual-band 2.4/5G
Bluetooth	BT4.2	BT4.2	BT4.2	BT5.0	BT5.2	BT5.0

	GPS	Optional	Optional	Optional	Optional	Optional	Optional
	MIC	Optional	Optional	Optional	Optional	Optional	Optional
	RTC, real-time clock	Support	Support	Support	Support	Support	Support
	Timing Turn On/Off	Support	Support	Support	Support	Support	Support
	System Upgrade	-	Support SD, and USB upgrade	Support USB upgrade	Support USB upgrade	Support USB upgrade	Support USB upgrade
Other Param eters	Power consumption	≤35W					
	Power input	AC 100-240V, 50/60HZ					
	Power Output	DC 12V / 4A					
	Anti-static	contact 4KV-air 8KV (≥16KV can be customized)					
	Anti-vibration	GB2423 standard					
	Anti-interference	EMC | EMI anti-electromagnetic interference					
	Dustproof and waterproof	IP65 dust-proof and waterproof for the front panel					
	Housing material	Black/Silver, Aluminum Alloy					
	Installation method	Embedded, desktop, wall-mounted, VESA, Open frame optional					
	Relative humidity	95%, Non-Condensing					
	Working temperature	-10°C～60°C (-30°～80°C customizable)					
	Language menu	Chinese, English, German, French, Korean, Spanish, Italian, Russian					

I/O Interface	Signal Interface	DVI, HDMI, VGA
	Power connector	DC with ring attachment (optional DC terminal block)
	Touch interface	USB I/O Interface
	Other interfaces	Audio input and output