

Ultra-thin ARM-Based Industrial Panel PC with RK3568 RK3588 CPU

Size: 10.1" - 27"

SD-OMEGA ultra-thin ARM-Based Industrial Panel PC with RK3568 or RK3588 CPUs offers a perfect blend of performance, reliability, and versatility, making it an ideal choice for a wide range of industrial applications, including manufacturing, automation, control systems, and more.





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Product Model Fast Guide

Model	LCD Display	Resolution	Aspect Ratio	Touch Screen Type
SD101-A26	10.1"	800*1280	16:10	Capacitive / Resistive / Non-Touch
SD104-A26	10.4"	1024*768	4:3	Capacitive / Resistive / Non-Touch
SD116-A26	11.6"	1920*1080	16:9	Capacitive / Resistive / Non-Touch
SD120-A26	12"	1024*768	4:3	Capacitive / Resistive / Non-Touch
SD133-A26	13.3"	1920*1080	16:9	Capacitive / Resistive / Non-Touch
SD150-A26	15"	1024*768	4:3	Capacitive / Resistive / Non-Touch
SD156-A26	15.6"	1920*1080	16:9	Capacitive / Resistive / Non-Touch
SD170-A26	17"	1280*1024	5:4	Capacitive / Resistive / Non-Touch
SD173-A26	17.3"	1920*1080	16:9	Capacitive / Resistive / Non-Touch
SD185-A26	18.5"	1920*1080	16:9	Capacitive / Resistive / Non-Touch
SD190-A26	19"	1280*1024	5:4	Capacitive / Resistive / Non-Touch
SD215-A26	21.5"	1920*1080	16:9	Capacitive / Resistive / Non-Touch
SD238-A26	23.8"	1920*1080	16:9	Capacitive / Resistive / Non-Touch
SD270-A26	27"	1920*1080	16:9	Capacitive / Resistive / Non-Touch

Product Features

- The Ultra-thin ARM-Based Industrial Panel PC featuring RK3568 and RK3588 CPUs represents cutting-edge technology tailored for industrial applications. These panel PCs boast a sleek, compact design that integrates

seamlessly into various industrial environments, offering space-saving solutions without compromising performance.

- Powered by the RK3568 and RK3588 processors, these panel PCs deliver exceptional computing power, enabling them to handle demanding tasks efficiently. The ARM architecture ensures optimal energy efficiency, making these devices suitable for prolonged operation in industrial settings where power consumption is a critical consideration.
- Equipped with a range of connectivity options including Ethernet, USB, HDMI, and wireless communication protocols, these panel PCs facilitate seamless integration into existing industrial systems and networks. They offer versatile connectivity for interfacing with a wide array of industrial equipment and peripherals.
- Featuring vibrant and responsive touchscreens, these panel PCs provide intuitive user interfaces for enhanced productivity and ease of operation. The ultra-thin design not only enhances aesthetics but also improves installation flexibility, allowing these devices to be mounted in space-constrained environments.
- With rugged construction and industrial-grade components, these panel PCs are built to withstand harsh operating conditions, including temperature extremes, humidity, and vibration. They are designed for reliability and durability, ensuring uninterrupted operation in challenging industrial environments.

Overall, the Ultra-thin ARM-Based Industrial Panel PC with RK3568 and RK3588 CPUs offers a perfect blend of performance, reliability, and versatility, making it an ideal choice for a wide range of industrial applications, including manufacturing, automation, control systems, and more.

Screen 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				
Hardware Configuration	Mother board Model	SDA64-I-C	SD3288-I	SD3399-A	SD3568-A	SD3588-A
	CPU	A64 Quad-Core 1.5GHz	RK3288 Quad-Core 1.8GHz	RK3399 Six-Core 2.0GHz	RK3568 Quad-Core 2.0GHz	RK3588 Octa-Core 2.1GHz
	Memory	2GB DDR3 (8GB optional)	2GB DDR3 (4GB optional)	4GB DDR3	2GB DDR3 (4GB optional)	8GB DDR3
	Storage	16GB eMMC (32/64GB optional)	16GB eMMC (32/64GB optional)	64GB eMMC (256GB optional)	32GB eMMC (64/128/256GB optional)	64GB eMMC (128/256GB optional)
	Chipset	Intel Bay Trail SOC	Intel Bay Trail SOC	Intel Bay Trail SOC	Intel Bay Trail SOC	Intel Bay Trail SOC
	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 / Linux4.4	Android 12 / Linux 5.10 / Ubuntu 20.04 / Debian 11	Android 13.0
	GPU	Mali-T764	Mali-T764	ARM Mali-T860 MP4	ARM Mali-G52 MP2	ARM Mali-G610 MP4
	3G/4G/5G Module	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
	Bluetooth	BT4.2	BT4.2	BT4.2	BT5.2	BT5.2
	GPS	Optional	Optional	Optional	Optional	Optional
	MIC	Optional	Optional	Optional	Optional	Optional
	RTC, real-time clock	Support	Support	Support	Support	Support
	Timing Turn On/Off	Support	Support	Support	Support	Support
	System	-	Support SD,	Support	Support USB	Support USB

	Upgrade		and USB upgrade	USB upgrade	upgrade	upgrade
Other Parameters	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				