

# **17.3 Inch Android Industrial Waterproof Tablet PC RK3288 CE Approved**

**Size: 17.3"**

Industrial android tablets - robust effect on the go. It has classic desktop installation, also supports the VESA, embedded, wall-hanging, and open frame mount.







## **17.3" Industrial Android Tablet PC With CE Approved**

### **Model: SD173-A2**

SD-OMEGA SD173-A2 Series is an industrial-grade fanless panel PC that is available on Android 5.1/6.0/7.1/9.0/10.1 versions. This industrial touch screen computer runs on an ARM Cortex-A53 and also can operate Linux or Windows. It has a classic panel mount, also supports the desktop, VESA, embedded, wall-hanging, and open frame mount.

### **Industrial Tablets Features**

1. LCD monitors of the tablets are built with an aluminum alloy shell
2. Operating temperatures: -20°C to +70°C
3. High-performance industrial-grade electronic components
4. Anti-interference, compliance with the EMC / EMI standard, suitable for complex signal environments
5. A wide variety of inputs such as USB, HDMI, VGA, RJ45, and other I/O expansion ports for optional
6. High-quality industrial touch screen with A, A+ level, fast response to any operation, no drift phenomenon
7. Easy to install and operate and designed to be well-performed in harsh environments
8. Offer kinds of customization services according to your requirements
9. High and low-temperature resistance, anti-vibration
10. RoHs, CE, FCC, 3C ISO approved for quality guarantee

### **Industrial All-in-one Tablet PCs' Main Board Details**

1. Ensure excellent electromagnetic compatibility and anti-oxidation ability.
2. Adopt Mali400 MP2 Dual-core, high-performance GPU, support HDMI out in 4K.
3. Support API code, and customer's APP development.

4. Adopt a well-known brand of DDR, FLASH, and other good-quality electronic components to ensure stable performance.
5. SMT machine with Japanese brand, strictly manufacturing processor to ensure the high quality and stable performance of industrial Android Panel PCs.
6. Plug and play, support different sizes, and all resolution LVDS panels.

<b>Display Parameters</b>	Size	17.3"						
	Resolution	1920x1080						
	Screen Ratio	16:9						
	Brightness	400 nits (Optional high brightness)						
	Contrast Ratio	600:1						
	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						
<b>Motherboard Model Selection</b>	<b>SD64</b>	<b>SD3288-I</b>	<b>SD3399-MAIN-L</b>	<b>SD3399-A</b>	<b>SD3568-A</b>	<b>SD3588-A</b>	<b>SD3588-G</b>	

<b>System Architecture</b>	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 / Ubuntu18.04 / Debian10.0	Android 7.1 / 9.0 / 11 / Ubuntu18.04 / Debian10.0 / Linux4.4	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	Android 12 / Linux 5.10 / Debian11 / Ubuntu 20.04
<b>Networking</b>	Ethernet	1*10M/100M/1000M/100	1*10M/100M/1000M adaptive	1*10M/100M/1000M adaptive	1*10M/100M/1000M adaptive	1*10M/100M/1000M adaptive	1*Gigabit Ethernet +	2*10M/100M/1000M adaptive

		0M adaptive Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	1*100 Mbit Ethernet	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)	
<b>Display Function</b>	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)	install RS232 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,	GPIO*7 (input/output)	GPIO*8 (input/output)	GPIO*8 (input/output)	GPIO*12 (input/output)	GPIO*6 (input/output)	

		1*GPIO input, and 1*ADC port						
	SIM Slot	Support	Support	Support	Support	Support	Support	Support
	TF Slot	Support	Support	Support	Support	Support	Support	Support
	CAN	/	/	/	/	Support	Support	
	Speaker	3.5mm standard Jack						
	MIC	Support	Support	Support	Support	Support	Support	Support
	Audio Port	3.5mm earphone jack, support input/output						
	I/O Expansion	Available						
<b>Power</b>	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
<b>Mechanical</b>	Dimension	459*291*62mm						
	Enclosure	Aluminum alloy housing						
	Cooling	Fanless						

	System	
	Mounting	Panel-mount, Embedded, desktop, wall-mounted, VESA75/100mm, open frame, etc.
<b>Product Reliability</b>	Working Temp	-20°C ~ 70°C
	Storage Temp	-30°C ~ 80°C
	Ambient Humidity	5% - 95% (relative humidity non-condensing)
	IP rating	Front IP65