

# **Industrial Tablet PC with Multi Touch Screen 19.1 Inch For Industrial Use**

**Size: 19.1"**

This industrial tablet PC is an essential tool for industrial enterprise site applications. To withstand your use in data collection, navigation, construction engineering, land Surveying, field maintenance, industrial measurement, warehouse & logistics management, etc.







## **Industrial PC with Multi-Touch 19.1 Inch**

### **Model: SD191-A200**

19.1 inch SD-OMEGA industrial panel PC with touch screen monitor or without a touchscreen, offering many different types for installation including desktop, VESA, panel mount, wall-mounted, and embedded mounting with a wide variety of touch interface options.

### **SD-OMEGA Industrial Android Tablet PC Features**

- Anti-interference design to meet EMI standards.
- Adopt to Aluminium alloy shell, with good mechanical properties, and high heat dissipation.
- Support long-time and all-weather running, up to 7\*24 hours operation without stopping.
- The front bezel thickness of this panel PC' is only 3mm, perfect for embedding into cabinets.
- Front IP65 waterproof and dust-proof standards for harsh or outdoor applications.
- Triple protection for the whole tablet: explosion-proof, flameproof, and moisture-proof.
- It adopts industrial control HD LCD screen + LED backlight screen, providing a perfect color display.
- Support capacitive touch screen and non-touchscreen. Suitable for various industrial environments and terminal devices.
- Special design for DC power port with anti-shedding, and support DC cable optional.
- Support multi-installation types, such as wall-mounted, embedded, desktop, and VESA 75/100.
- Shock resistance standard reaches GB2423, it can be well-protected during transportation and working on marine applications.
- Working temperature range: -20~70 Celsius degree, (-4 ~158 Fahrenheit degree), humidity range is 10%~90%.
- Anti-static level of contact is 4KV, supporting customized MAX 16KV.
- Provide standard I/O interface: VGA, HDMI, DVI, automatic identification signal channel, also support other customized multi interfaces.

- Two standard colors are black and silver, but we provide appearance color customization service for customers.

<b>Display Parameters</b>	Size	19.1"						
	Resolution	1440x900						
	Screen Ratio	16:10						
	Brightness	250~300 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						
<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 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 and 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	
<b>Touch Function</b>	Touch Interface	USB/IIC	USB	USB/IIC					
<b>I/O Ports</b>	MICRO	1*MICR	/	/	/	/	/		



	USB	0 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 to RS485)	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, 1*GPIO input, and	GPIO*7 (input/output)	GPIO*8 (input/output)	GPIO*8 (input/output)	GPIO*12 (input/output)	GPIO*6 (input/output)	

		1*ADC port						
	SIM Slot	Support	Support	Support	Support	Support	Support	Support
	TF Slot	Support	Support	Support	Support	Support	Support	Support
	CAN	/	/	/	/	Support	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	486*332*63mm						
	Enclosure	Aluminum alloy housing						
	Cooling System	Fanless						
	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