10 Inch Open Frame Panel PC Android 9.0 / 7.1 / 6.0 / 5.1

Size: 10.1" / 11.6"

SD-OMEGA industrial open-frame panel PCs can be used in a variety of applications, such as electric cabinets, ATM machines, casino machines, vending machines, and other kiosk solutions.

Industrial-Grade Open Frame Touchscreen Panel PCs

Model: SD101-AI10   10.1"
Model: SD116-AI10   11.6"

SD-OMEGA open frame touchscreen panel PC with Android system, and industrial-grade motherboards provide intelligent hardware solutions for industrial automation, Internet of Things projects. Deliver multi-point touch control screens, excellent for various self-service terminal equipment and industrial environments due to their reliable quality. SD-OMEGA offers open frame tablets with a wide range of sizes, 7" to 21.5" for standard models, also support other screen sizes with massive quantity. Other customization items include high brightness, I/O interfaces, touch technologies and viewing angle, wide temperature and wide voltage operation, etc.

Industrial Open Frame Tablets Features

● Unique universal installation design.
● Waterproof edge protection, water seepage prevention, and shock mitigation.
● Industrial grade drive board, anti-static, and anti-electromagnetic interference.
● Internal heat dissipation structure design, supporting 7*24 hours long-term uninterrupted operation.
● The surface is IP65 dust-proof and waterproof, and the whole tablet is dust-proof.

sreen parameters	Screen size	10.1-inch / 11.6-inch
	Resolution	1280*800 / 1920*1080
	Aspect ratio	16:10 / 16:9 / widescreen
	Gray-scale response time	5ms
	Panel Type	Industrial control A style screen with TFT
	Point distance	0.264mm
	Contrast	800:1
	Backlight type	LED, use length≥50000h
	Display color	16.7M
	Visual angle	160/160° (178° full view angle is customizable)
	Brightness	350cd/m2 (support other high brightness)

	Touch-type	Capacitive
	Backlight type	LED backlight; ≥50000h
Hardware Configuration	CPU	RK3288, Quad-core, 1.8GHz main frequency
	RAM	DDR3L default with 2G (4G optional)
	Hard disk storage	EMMC 8G (16/32/64G optional, maximum support 64G)
	Operating system	Android 7.1
	Graphics card	Mali-T764GPU dual-core ultra-high performance GPU, supporting HDMI 4K output
	WiFi	2.4G/5G
	Bluetooth	BT4.0
	GPS / MIC	Optional
Other parameters	Power consumption	≤35W
	Power input	AC 100-240V, 50/60HZ
	Power Output	DC12V / 4A
	Anti-static	Contact 4KV-air 8KV (≥16KV can be customized)
	Anti-vibration	GB2423 standard
	Anti-interference	EMC	EMI anti-electromagnetic interference
	Dustproof and water proof	IP65 dust-proof and waterproof for the front panel
	Housing material	Black/Silver, Aluminum Alloy
	Installation method	Open frame
	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 parameters	DC Port	1*DC 2.1
	USB-OTG	1
	USB-HOST	4*USB 2.0
	RJ45 Ethernet	1 (10M/100M/1000M adaptive Ethernet)
	SD/TF	TF for data storage, maximum support 64G
	Serial port	4-channel serial ports, default with three-channel for 232, one-channel for DEBUG port (two of which can be TTL)
	Wide voltage input	12V-36V for option