

All-in-One Android Panel PCs with NFC/Camera For MES

System in Digital Factory 24/7 Use

Size: 10.1

Fully integrated reliable Panel PCs are suitable for specialized MES system solutions. Support popular software applications.







SD-OMEGA B-Series Industrial MES Panel PC with NFC-Card Reader

This MES touch panel PC is powered by Android, Linux, or Ubuntu operating systems. It comes with a range of preinstalled Google apps such as the Google Play Store, Chrome, and a host of others. Equipped with a powerful RK3288 CPU and 2GB/4GB of RAM, which allows you to operate multiple apps at the same time.

Product Features

- 10.1" / 11.6" / 15.6" / 21.5" available in LCD size.
- Multi-touch capacitive touch screens.
- RK3288, quad-core processor, 2GB/4GB DDR3L memory.
- Industrial-grade LED touch screen, backlight life of over 50,000 hours.
- Aluminum alloy structure, resistant to corrosion/heat/chemical damage.
- Abundant interface, USB+VGA / LAN / DC interface, etc. Support I/O expansion.
- Install WiFi antenna for signal enhancement.
- IP65 rating protection.
- 7*24 hours operation.
- Various installation methods adapt to multiple environments.

Model Name	Screen Size	Resolution	Aspect Ratio
SD101-A15	10.1"	1280*800	16:10
SD116-A15	11.6"	1366*768	16:9
SD156-A15	15.6"	1920*1080	16:9
SD215-A15	21.5"	1920*1080	16:9

Screen	Panel Type	Industrial control A level screen with TFT
	Viewing Angle	80/80/80/80 (L/R/U/D)
	Display Color	16.7M
	Contrast	1000:1
	Response time	6.5ms
	Brightness	300cd/m2 (Upgradable)
Interface Parameters	DC port	1*DC 2.1/industrial terminal
	HDMI	Support HDMI data output, support 1080P
	USB-OTG	1*USB2.0
	USB-HOST	1*USB2.0
	RJ45 Ethernet	1*10M/100M/1000M adaptive Ethernet
	SD/TF	TF data storage, support TF
	Earphone Jack	3.5mm standard interface
	SIM card	Standard SIM card interface, supports various formats (depending on 3G/4G/5G module)
	RS232	1*RS232 (DB9)
	RS485/RS422	Optional
	GPIO	3-channel (industrial terminal)
	LED warning light	Optional (external)
	Printer/Barcode Scanners/ Microphone	Optional (externally connected)
	Wide voltage input	12V~36V Optional
Hardware Configuration	CPU	RK3288, quad-core, 1.8GHz
	GPU	Mali-T764
	Storage/hard disk	EMMC 16GB (8/32/64GB optional)
	RAM	DDR3L default with 2GB (4GB optional)
	Chipset	Intel Bay trail SOC chipset
	Operating system	Android 7.1/10.0/12.0; Linux 4.4; Ubuntu18.04; Debian10.0
	Graphics card	Mali-T764GPU dual-core, ultra-high performance GPU, supporting HDMI 4K output
	WiFi	Dual-frequency 2.4/5G
	Bluetooth / GPS / MIC	Optional
	RTC (real-time clock) /	Support
	NFC	13.56MHZ
	Camera	100W HD
	LED indicator	Red/green/blue (combination)

Touch Screen	Touch screen type	Projected capacitive touchscreen
	Input method	Handwriting or capacitive pen
	Surface hardness	7H
	Calibration	Support
Product Reliability	Operating temperature	-10 ° C to +60 ° C
	Storage temperature	-20 ° C to +70 ° C
	Humidity	95%, Non-Condensing
	Power input	AC 100-240V 50/60Hz
	Power output	DC12V / 4A