

Work Station Machine A ARM All-in-One Panel PC

The 10.1-inch workstation Android all-in-one machine is made of aluminum alloy and is designed with a flat panel. It uses a self-developed motherboard with a built-in 100W HD camera, NFC card reader and LED indicator light. It has strong scalability and good adaptability, and meets the functions of SOP, task browsing, equipment management, defect registration, exception alarm, etc. It is widely used in smart factories, smart canteens, smart campus, smart conference reservations and other places.

Features >>

- Independent mold opening, fashionable and simple appearance
- Self-developed ARM architecture motherboard with high cost performance
- Built-in 100W camera, 13.56M card reader and RGB tri-color light
- API reference code is provided to support customization of SDK secondary development
- Rich interfaces and flexible expansion
- Support embedded, desktop, wall-mounted, boom and other installation methods



Product Model >>

Product size	10.1"		
Touch mode	Non-touch	Capacitive touch	Resistance touch
Product model	TPC101-A1301	TPC101-A1311	TPC101-A1321
Resolution	800*1280		
Screen Scale	16:10		
Brightness	300cd/m ²		
Contrast ratio	1000:1		
Viewing Angle	85/85/85 (L/R/U/D)		



Product Installation >>



Embedded installation



Desktop installation



Wall-mounted installation



Boom type installation

Product Specifications >>

Hardware Configuration

CPU	RK3288, quad core, 1.8GHz
GPU	Mali-T764
RAM	2G DDR3 (Optional 4G/8G)
Storage	16G eMMC (Optional 32G/64G)
System	Android 7.1/10.0/12, Linux4.4, Ubuntu18.04/20.04, Debian10.0
WIFI	2.4GHz / 5GHz dual bands
Bluetooth	BT4.2
Camera	100W
Card reader	13.56MHz, IC card reader (ISO14443-A, ISO14443-B)
LED indicator	Red/green/blue (combination)

Touch parameters

Capacitive Touch	Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: $\geq 88\%$ Input mode: handwriting or capacitive pen Controller communication: USB
Resistive Touch	Touch screen type: single point resistive touch screen Light transmittance: $\geq 78\%$ Input mode: Fingertip or stylus Controller communication: USB
Non touch	Light transmittance: $\geq 92\%$

Reliability parameters

working temperature	Operating temperature: - 10 ° C~60 ° C, storage temperature: - 20 ° C~70 ° C
Operating humidity	Humidity: 95% non condensing
Vibration protection	IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Impact protection	IEC 60068-2-27, half sine wave, duration 11ms
Product certification	CCC/CE/FCC/EMC/CB/ROHS

Other parameters

Power input	12V power input
Static power	18W
Fuselage Properties	Body material: aluminum alloy, body color: classic black, technical silver
warranty policy	Three years (one year free warranty)
Installation method	Support embedded, desktop, wall-mounted, cantilever and other installation modes

I/O Interface

Power interface 1	1*Industrial terminal.Support data transmission and power supply functions
Power interface 2	1*DC 2.1, Support 12V power input
USB	1*USB HOST, 1*USB OTG
TF	Support TF expansion card (1 * TF card slot)
SIM	1*SIM, SIM card interface standard interface supports various formats (depending on 3G / 4G module)
HDMI	1*HDMI, Support HDMI data output, maximum support 4K
LAN	1*LAN, 10M/100M/1000M adaptive Ethernet
AUDIO	1*Audio I/O, Support audio input and output, headphone stand: 3.5mm standard interface
UBOOT	Support(1*UBOOT)
COM	1*COM (Default RS232)
WIFI antenna	1*WIFI antenna

Interface Distribution >>

