

# Work Station Machine B ARM All-in-One Panel PC

Adopt aluminum alloy flat panel, fanless and fully enclosed integrated design, fashionable appearance, simple technology, independent research and development of ARM industrial motherboard, high cost performance, with 10.1"/11.6"/15.6"/21.5" four sizes, which can be selected, specially developed for MES system, to meet the functions of SOP, workshop viewing, task browsing, equipment management, defect registration, abnormal alarm, etc., widely used in industrial control, military industry, communication, power, network Retail and other automation fields, intelligent express cabinets, self-service vending machines, self-service lockers and other intelligent scenarios.

## Features >>

- 10.1"/11.6"/15.6"/21.5" four sizes are available.
- 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.
- Support desktop, wall-mounted, cantilever, boom and other installation methods.



10.1"/11.6"/15.6"/21.5" Optional

## Product Model >>

Product size	10.1"			11.6"			15.6"			21.5"		
Touch mode	Non-touch	Capacitive touch	Resistance touch	Non-touch	Capacitive touch	Resistance touch	Non-touch	Capacitive touch	Resistance touch	Non-touch	Capacitive touch	Resistance touch
Product model	TPC101-A1501	TPC101-A1511	TPC101-A1521	TPC116-A1501	TPC116-A1511	TPC116-A1521	TPC156-A1501	TPC156-A1511	TPC156-A1521	TPC215-A1501	TPC215-A1511	TPC215-A1521
Resolution	800*1280			1366*768			1920*1080			1920*1080		
Screen Scale	16:10			16:9			16:9			16:9		
Brightness	300cd/m <sup>2</sup>			300cd/m <sup>2</sup>			300cd/m <sup>2</sup>			250cd/m <sup>2</sup>		
Contrast ratio	1000:1			1000:1			800:1			1000:1		
Viewing Angle	75/75/70/75 (L/R/U/D)			85/85/85/85 (L/R/U/D)			85/85/85/85 (L/R/U/D)			85/85/85/85 (L/R/U/D)		
Back Cover Style												

## Product Installation >>



Desktop installation	Wall-mounted installation	Louver installation	Cantilever installation	Boom type installation	Back-mounted installation
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## 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 desktop, wall mounted, louver, cantilever, boom, back mounted and other installation methods

### 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
HDMI	1*HDMI, Support HDMI data output, maximum support 4K
USB	1*USB HOST, 1*USB OTG
RJ45	1*RJ45, 10M/100M/1000M adaptive Ethernet
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)
AUDIO	1*Audio I/O, Support audio input and output, headphone stand: 3.5mm standard interface
UBOOT	Support(1*UBOOT)
COM	2*COM (Default RS232)
WIFI antenna	1*WIFI antenna

## Interface Distribution >>



Only the 15.6 inch interface is displayed. Please refer to the actual object for details.