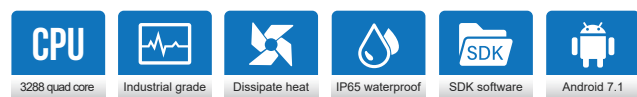# 4th Gen A Fashion Style ARM All-in-One Panel PC

The overall feature of this product is "industrial quality, commercial appearance", which not only conforms to industrial standards, but also adopts industrial aesthetic design, making the overall shape more simple and smooth. 10.1~21.5 inches can be selected to meet the actual use needs of different products under different environments and installation methods. The fuselage is made of aluminum alloy, which is not only suitable for humid, dust, electromagnetic interference and static environment in factories and workshops, but also can operate in outdoor high and low temperature, dust, exposure to sunlight, vibration and other environments.

Features ≫

- Independent mold opening, fashionable and simple appearance.
- Self developed industrial ARM architecture motherboard with high performance and low power consumption.
- Industrial quality, stable system operation.
- Support desktop, wall mounted and multiple installation methods.
- SDK package is provided to support secondary development and upgrade customization.
- Rich and complete interfaces, complete power supply/data transmission functions.

| CPU 3288 quad core | Industrial grade | Dissipate heat | IP65 waterproof | SDK software | Android 7.1 |

ISO FC CE CCC RoHS

10.1"~21.5" optional

Product Model ≫

Product size	Non-touch	Capacitive Touch	Resistive Touch	Resolution	Screen Scale	Brightness	Contrast ratio	Viewing Angle	Back Cover Style
10.1"	TPC101-A401	TPC101-A411	TPC101-A421	1280*800	16:10	300cd/m²	1000:1	85/85/85/85 (L/R/U/D)	
10.4"	TPC104-A401	TPC104-A411	TPC104-A421	1024*768	4:3	400cd/m²	1000:1	80/80/80/80 (L/R/U/D)	
11.6"	TPC116-A401	TPC116-A411	TPC116-A421	1920*1080	16:9	300cd/m²	1000:1	85/85/85/85 (L/R/U/D)	
12"	TPC120-A401	TPC120-A411	TPC120-A421	1024*768	4:3	500cd/m²	1000:1	85/85/85/85 (L/R/U/D)	
15.6"	TPC156-A401	TPC156-A411	TPC156-A421	1920*1080	16:9	300cd/m²	1000:1	85/85/85/85 (L/R/U/D)	(10.1-12 inch Small back cover)
15"	TPC150-A401	TPC150-A411	TPC150-A421	1024*768	4:3	300cd/m²	800:1	89/89/89/89 (L/R/U/D)	
17"	TPC170-A401	TPC170-A411	TPC170-A421	1280*1024	5:4	300cd/m²	1000:1	85/85/80/70 (L/R/U/D)	
17.3"	TPC173-A401	TPC173-A411	TPC173-A421	1920*1080	16:9	300cd/m²	600:1	80/80/60/80 (L/R/U/D)	
19"	TPC190-A401	TPC190-A411	TPC190-A421	1280*1024	5:4	300cd/m²	1000:1	85/85/80/80 (L/R/U/D)	
19.1"	TPC191-A401	TPC191-A411	TPC191-A421	1440*900	16:10	300cd/m²	1000:1	80/80/80/80 (L/R/U/D)	(15-21.5 inch large back cover)
21.5"	TPC215-A401	TPC215-A411	TPC215-A421	1920*1080	16:9	300cd/m²	1000:1	89/89/89/89 (L/R/U/D)	

Product Installation ≫

| Desktop installation | Wall mounted installation | Louver installation | Cantilever installation | Boom type installation | Embedded installation |

Product Specifications ≫

Hardware Configuration

CPU	RK3288, Cortex-A17 Quad Core, 1.8GHz
GPU	Mali-T764
RAM	2G DDR3 (Optional 4G/8G)
Storage	16G eMMC (Optional 32G/64G/128G)
System	Android 7.1/10.0/12, Linux4.4, Ubuntu18.04/20.04, Debian10.0
3G/4G module	PCI-E standard interface, supporting China Mobile, China Unicom and China Telecom (optional)
WIFI	Support 2.4/5G dual-band WiFi
Bluetooth	BT5.0

Touch parameters

Capacitive Touch	Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB
Resistive Touch	Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB
Non touch	Light transmittance: ≥ 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*DC 2.1, supporting 12V power input
USB	1*USB HOST, 1*USB OTG
TF	1*TF
SIM	1 * SIM, SIM card: standard interface, supporting 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: 3.5mm standard interface
UBOOT	Support (1*UBOOT)
COM	2*COM(The default is RS232, and the optional RS485/RS422)
Wifi antenna	1*Wifi antenna
Grounding column	Support (1*GND)

Interface Distribution ≫

Only the 17.3 inch 3288-i motherboard interface is displayed. Please refer to the actual object for details.