

## 2nd Gen Industrial Android 11/12 All-in-One Panel PC

The industrial motherboard is independently researched and developed, and a variety of configuration schemes meet different application needs. The 3MM ultra-thin front frame seamlessly fits all kinds of cabinet equipment. It has an all aluminum alloy structure, fan free and totally enclosed design, and multiple sizes of 10.1"-23.8" are available for selection. The front panel is made of pure flat wire drawing process, which is dustproof and waterproof. The whole machine has low power consumption, good scalability, practicability, EMC compatibility and other performances.

### Features >>

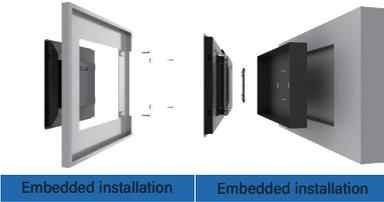
- The front frame is only 3mm thick, specially designed for embedded installation applications.
- High precision die-casting aluminum molding, pure plane wire drawing process design, dustproof and waterproof.
- Independent research and development of ARM architecture industrial motherboard, with a variety of options.
- Conform to EMC anti electromagnetic interference standard.
- Industrial protection, applicable to various harsh environments.
- SDK package is provided to support secondary development and upgrade customization.



10.1"~23.8" optional

### Product Installation    Product Model

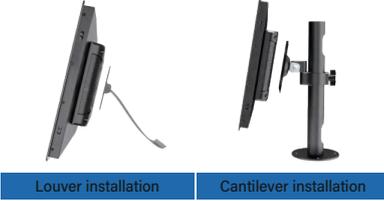
Product size		Resolution	Screen Scale	Brightness	Contrast ratio	Viewing Angle	Back Cover Style
10.1"	1280*800	16:10	300cd/m <sup>2</sup>	1000:1	85/85/85/85 (L/R/U/D)	 <p>(10.1-12.1 inch small back cover)</p>	
10.4"	1024*768	4:3	400cd/m <sup>2</sup>	1000:1	80/80/80/80 (L/R/U/D)		
11.6"	1920*1080	16:9	300cd/m <sup>2</sup>	1000:1	85/85/85/85 (L/R/U/D)		
12"	1024*768	4:3	500cd/m <sup>2</sup>	1000:1	85/85/85/85 (L/R/U/D)		
12.1"	1280*800	16:10	300cd/m <sup>2</sup>	350:1	65/65/50/65 (L/R/U/D)		
13.3"	1920*1080	16:9	220cd/m <sup>2</sup>	1000:1	85/85/85/85 (L/R/U/D)	 <p>(13.3-23.8 inch large back cover)</p>	
15.6"	1920*1080	16:9	300cd/m <sup>2</sup>	800:1	85/85/85/85 (L/R/U/D)		
15"	1024*768	4:3	300cd/m <sup>2</sup>	1000:1	89/89/89/89 (L/R/U/D)		
17"	1280*1024	5:4	300cd/m <sup>2</sup>	1000:1	85/85/80/70 (L/R/U/D)		
17.3"	1920*1080	16:9	300cd/m <sup>2</sup>	600:1	80/80/60/80 (L/R/U/D)		
18.5"	1920*1080	16:9	400cd/m <sup>2</sup>	1000:1	89/89/89/89 (L/R/U/D)		
19"	1280*1024	5:4	300cd/m <sup>2</sup>	1000:1	85/85/80/80 (L/R/U/D)		
19.1"	1440*900	16:10	300cd/m <sup>2</sup>	1000:1	80/80/80/80 (L/R/U/D)		
21.5"	1920*1080	16:9	300cd/m <sup>2</sup>	1000:1	89/89/89/89 (L/R/U/D)		
23.8"	1920*1080	16:9	250cd/m <sup>2</sup>	1000:1	89/89/89/89 (L/R/U/D)		



Embedded installation    Embedded installation



Wall mounted installation    Desktop installation



Louver installation    Cantilever installation



Boom type installation

### Interface Distribution



Only the 15 inch RK3399 motherboard interface is displayed. Please refer to the actual object for details.

## Product Specifications >>

### Hardware Configuration

CPU	RK3399, Dual-core Cortex-A72 up to 1.8GHz, Quad-core Cortex-A53 up to 1.4GHz / RK3568
GPU	Mali-T860 GPU
RAM	4G DDR3 (Optional 8G)
Storage	32G eMMC (Optional 64G)
System	Android 7.1/9.0/11/ 12/ Ubuntu18.04/Debian10.0/linux4.4+QT
Ethernet	10M/100M/1000M
WIFI	2.4GHz / 5GHz dual bands
Bluetooth	BT5.0

### 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	12-36V power input
Static power	18W
Fuselage Properties	Body material: aluminum alloy, body color: classic black, technical silver
warranty policy	one year free warranty
Installation method	Support embedded, wall mounted, desktop, louver, cantilever, boom and other installation methods

### I/O Interface

Power interface	1*DC2.1, Support 12V-36V wide voltage power supply
HDMI	1*HDMI, Support HDMI data output, maximum support 4K
USB	1*USB HOST, 1*USB OTG
Internet port	1*LAN,10M/100M/1000M adaptive Ethernet
TF	1*TF data storage, maximum support 32G
AUDIO	1 * Audio I/O, supporting audio input and output, headphone stand: 3.5mm standard interface
SIM	1*SIM, SIM card interface standard interface supports various formats (depending on 3G / 4G module)
COM	2 * COM (RS232 by default, RS485/RS422 optional)
UBOOT	Support (1*UBOOT)
WIFI antenna	1*WIFI antenna
Grounding column	Support (1*GND)

Technische Änderungen und Irrtum ohne Vorankündigung vorbehalten! Alle Rechte geschützt!



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