

5th Gen A Ruggedized ARM All-in-One Panel PC

It has 10.1 " - 21.5 " multi size options, independent research and development of industrial motherboards, and multiple configuration schemes to meet different application needs; The fuselage is made of aluminum alloy, with a strong structure, totally enclosed fanless design, and efficient heat dissipation. It is designed for a variety of complex environments, and can ensure long-term stable operation in harsh environments; It provides SDK packages and technical support, supports secondary development and rapid upgrade customization, and is widely used in industrial control, military, communication, power, network and other automation fields.

Features >>


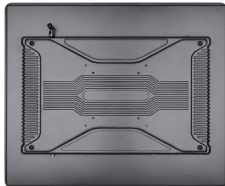
- Narrow frame design, independent mold opening.
- Aluminum alloy one-piece die casting, efficient heat dissipation.
- Process structure design of anti vibration radiation layout.
- Seismic stability, safety and reliability, industrial quality.
- It is suitable for dust, oil, water mist, strong electromagnetic, high-frequency vibration and other complex heavy industrial environments.
- SDK package is provided to support secondary development and upgrade customization.



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"				800*1280	16:10	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	 (10.1-12 inch small back cover)
10.4"				1024*768	4:3	400cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
11.6"				1920*1080	16:9	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12"				1024*768	4:3	500cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
15"				1024*768	4:3	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	 (15-21.5 inch large back cover)
15.6"				1920*1080	16:9	300cd/m ²	800:1	85/85/85/85 (L/R/U/D)	
17"				1280*1024	5:4	300cd/m ²	1000:1	85/85/80/70 (L/R/U/D)	
17.3"				1920*1080	16:9	300cd/m ²	600:1	80/80/60/80 (L/R/U/D)	
19"				1280*1024	5:4	300cd/m ²	1000:1	85/85/80/80 (L/R/U/D)	
19.1"				1440*900	16:10	300cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
21.5"				1920*1080	16:9	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	

Product Installation >>



Product Specifications >>

Hardware Configuration

CPU	RK3399 6-core/6-wire frequency 1.8GHz, dual-core Cortex-A72 + quad-core Cortex-A53
GPU	ARM Mali-T860 MP4
RAM	4GB DDR3 (Supports up to 4GB)
Storage	64GB eMMC (Supports up to 256GB)
OS	Android 7.1/9.0/11/13, Linux4.4/Ubuntu18.04/Debian10
4G	4G module interface with built-in MINIPCE
Wi-Fi	Dual Band, 2.4G/5G

Touch parameters

Capacitive Touch	Touch screen type: 10-point projected 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

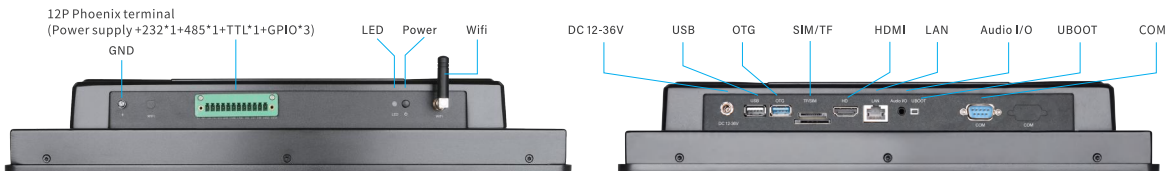
Other parameters

Power input	12-36V power input
Static power	24V/2.5A
Fuselage Properties	Body material: aluminum alloy, body color: classic black, technical silver
Warranty policy	Three years (one year free warranty)
Installation method	Support Embedded, Wall-mounted, Desktop, Folding mounting, VESA mount, Suspended mounting, etc.

I/O Interface

PowerSW	1*PowerSW
Power interface	1*Threaded DC connector (diameter 5.5*2.1mm)
Phoenix terminal	1*12P Phoenix terminal (Power supply/RS232*1/RS485*1/TTL*1/GPIO*3)
HDMI	1*HDMI, Support HDMI data output, maximum support 4K
USB	1*USB HOST, 1*USB OTG
Ethernet	1*LAN, 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: 3.5mm standard interface
Speaker	2*(8Q5W)
UBOOT	Support (1*UBOOT)
Serial port	1*COM (RS232)
Wi-Fi antenna	1*Wi-Fi antenna
Grounding	Support (1*GND)

Interface Distribution >>



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