

21.5 Inch

Optical Bonding Android AIO

ABL228



Stemming from General Touch's advanced technical competence such as optical-bonding in touch display innovation, the slim and chic ABL228 All-in-One (AiO) was born. As purported, the clarity of the image is boosted and the display device lifespan is prolonged.

The ultra slim border, meaning the absence of the fat and ugly black border of a typical PCAP touchmonitor, makes the screen face of the ABL228 so much more exquisite and enjoyable to play with. Driven by Android OS 10.0 and a Rockchip RK3399 processor, it has performs smoothly running complex tasks and a wide range of applications, providing users with a satisfying experience.

Moreover, peripherals like external light strips, QR code scanners, NFC modules, etc., can be easily connected to any of the four sides. Unused ports on its four sides are hidden by a cleverly designed cover that maintains the elegant appearance.

This charming Android based AiO has an array of certifications including GMS, FCC and CE. It is primed for applications in industries such as retail, self-service, finance, and rail transportation as information display terminals, self-service devices, or interactive guide system.



Gaming



Kiosk



Vending Machine



Industrial Automation

- Android 10.0 powered by RK3399
- GMS, FCC, CE certification, better for payment and industry
- Extension of QR Scanner, NFC, LED bar, POS etc.
- General Touch PCAP technology, quality assurance
- Build in 2 speakers and camera (optional)
- Narraw bezel, Optical bonding, fashion style
- Plastic cover (color customizable)
- General Touch patented soundness stands for desktop application

SPECIFICATIONS

Product Name	21.5 Inch Optical Bonding Android AIO	
Model	ABL228	
Motherboard Parameters		
SoC	Rockchip® RK3399	
CPU	Dual-core Cortex-A72, up to 1.8GHz Quad-core Cortex-A53, up to 1.4GHz	
GPU	Mali-T860	
Memory	4GB, DDR3L	
Storage	32GB, eMMC	
Operating System	Android 10.0	
Wi-Fi & Bluetooth	Onboard Module	
LCD Panel Parameters		
Display Technology	Active Matrix TFT-LCD with LED Backlight	
Aspect Ratio	16:9	
Active Display Area (W x H)	476mm x 268mm	
Native Resolution	1920 x 1080	
Response Time (Typ.)	14ms	
Display Colors	16.7M	
Luminance (Typ.)	250nits	
Contrast Ratio (Typ.)	1000:1	
Viewing Angle (Typ.)	Horizontal (Left/Right) CR≥10	178° (89° /89°)
	Vertical (Up/Down) CR≥10	178° (89° /89°)
Touchscreen Parameters		
Touch Technology	PCAP	
Touch Point	10	
Light Transmission	≥85%	
Thickness	1.6mm ± 0.15mm	

I/O Port

LAN	1 x RJ45 (10/100/1000Mbps)
USB	4 x Micro USB 2.0, 1 x USB 3.0 (Type-A)
Display	1 x Micro HDMI out
4G LTE	1 x Nano SIM slot
Storage Expansion	1 x TF slot
Power	1 x DC Jack (Pin Outer Diameter 2.1mm)

Overall Parameters

Bezel/Case Colour	Black (Color customizable)
Mounting Options	VESA 75mm x 75mm, 100mm x 100mm
Outline Dimensions	505.2mm x 296.8mm x 36.9mm
Input Voltage Range	12V DC \pm 5%
Speaker	2 x 2W Built-in
Power Consumption	40W
Operating Altitude	\leq 3000m
Temperature	Operating: 0°C to 40°C, storage: -20°C to 60°C
Humidity	Operating: 20% to 80%, storage: 10% to 90%, Non-condensing
Carton Dimensions	640mm x 250mm x 430mm, 2 pcs
Weight	Gross: 10.5kg, Net: 4.42kg
MTBF	50,000 Hours Demonstrated
Agency Approvals	FCC, CE, GMS
Warranty	2 years

Ordering Information

Part Name	Part Number	Description
ABL228-RC2-2B00-A04-1.2	10302010036R	4GB Memory, 32GB Storage, Onboard Wi-Fi & BT 2-in-1 Module, 2 x 2W Built-in Speakers, GMS(EEA)
ABL228-RC2-2B00-A04-1.0	10302010037R	4GB Memory, 32GB Storage, Onboard Wi-Fi & BT 2-in-1 Module, 2 x 2W Built-in Speakers, GMS(ROW)

Optional Accessories

Part Name	Part Number	Description
US Power Cable	30301010010R	1.5m
EU Power Cable	30301010011R	1.5m
UK Power Cable	30301010018R	1.5m
Power Adapter	30207010011R	Input Voltage Range: 100V - 240V AC Output : 12V DC \pm 5%/5A DC Barrel Plug Pin Inner Diameter: 2.1mm

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