TPC101-RK99

10.1" All-in-one Panel PC

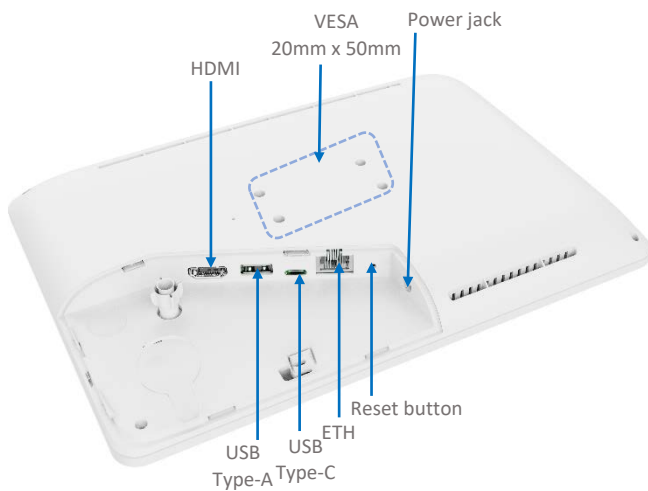## Product Brief

Vantron TPC101-RK99 is a 10.1" desktop all-in-one panel PC, powered by RK3399 hex-core high-performance processor. It features a 10-point PCAP touchscreen monitor with 16:10 aspect ratio and runs Android 10 operating system with Linux distributions available. TPC101-RK99 offers rich interfaces for connection of different peripherals and displays, and this makes it very suitable for application in self-service kiosks and multi-media terminals. The VESA pattern also allows for more flexible mounting and maintenance for application in medical scenarios.

Vantron TPC series all-in-one panel PCs offer an overall solution that integrates the touchscreen monitor, display, processor, and software operating system, making them a first choice in IoT applications.

Exterior and Features

VESA
20mm x 50mm
Power jack
HDMI

USB Type-A
USB Type-C
ETH
Reset button
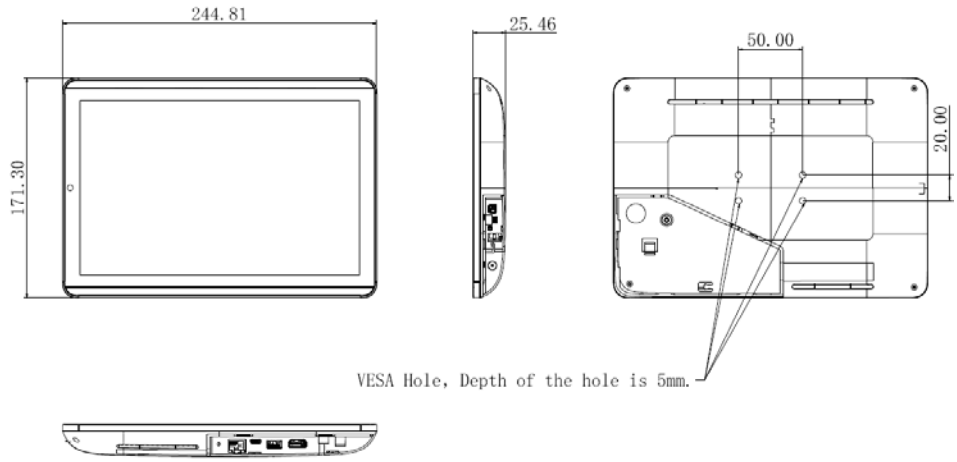
TPC101-RK99

- RK3399 Hex-core high-performance processor
- Android 10 system, Linux distributions available
- 10.1-inch TFT LCD, 10-point PCAP touch screen
- White enclosure by default, optional black
- ETH/Wi-Fi/Bluetooth connectivity
- Gigabit Ethernet port, PoE supported
- Sleek appearance, flexible installation (horizontal, vertical, desktop, wall mounting, floor mounting)

TPC101-RK99 10.1" All-in-one Panel PC Datasheet

TPC101-RK99			
System	CPU	Rockchip RK3399, dual-core ARM Cortex-A72 1.8GHz and quad-core ARM Cortex-A53 processor, 1.4GHz	
	Memory	2GB LPDDR4 (Optional: 4GB)	
	Storage	16GB eMMC (Optional: 32GB)	
Communication	Ethernet	1 x RJ45, 10/100/1000Mbps (self-adaptive), PoE supported	
	Wi-Fi & BT	Dual-band Wi-Fi 802.11 a/b/g/n/ac + BT 4.0 or later	
Media	Display	10.1-inch TFT LCD	Contrast ratio: 800:1
		Resolution: 1920 x 1200 @60Hz	Aspect ratio: 16:10
		Brightness: 300 nits	Viewing angle: 80/80/80/80 (U/D/L/R)
	External display	1 x HDMI, up to 4K @30Hz	
	TP	10-point PCAP touch screen	Surface hardness: 6H
		Surface treatment: Anti-fingerprint	Cover lens: At least IK03 rated
		Optional: Anti-glare & anti-reflection	Light transmittance ratio: >85%
	Camera	Front camera, 5MP	
	Audio	Built-in dual-track speakers (2 x 1W)	
I/Os	USB	1 x USB 2.0 Type-A	1 x USB 2.0 Type-C (OTG)
	RTC	Supported	
	WDT	Supported	
System control	Button	1 x Reset button	
Software	OS	Android 10	Optional: Linux
	Device management platform	BlueSphere MDM (Android version only)	
	OTA tool	BlueSphere OTA	
Power	Input	12V DC	1 x Power jack
Mechanical	Material	Plastic, white (Optional: Black)	
	Dimensions	244.81mm x 171.30mm x 25.46mm	
	Installation	VESA mounting (20mm x 50mm)	
	Heat dissipation	Fanless	
Environment condition	Temperature	Operating: 0℃~+40℃	Storage: -20℃~+60℃
	Humidity	RH 10%-90% (Non-condensing)	
	Touch life	> 50 million touches	
	Certification	CCC, FCC	

Product Outlines

VESA Hole, Depth of the hole is 5mm.

Ordering Information

Ordering No.	Memory	Storage	Color	Wi-Fi & BT	Ethernet & PoE
TPC101-RK99-LW	2GB	16GB	White	Yes	Yes
TPC101-RK99-LB	2GB	16GB	Black	Yes	Yes
TPC101-RK99-HW	4GB	32GB	White	Yes	Yes
TPC101-RK99-HB	4GB	32GB	Black	Yes	Yes
* More variants are available, please contact the sales executive for details.					

Packing List	
TPC101-RK99 all-in-one panel PC	1
12V 3A DC adapter	1
AC power cable (US)	1

Since its establishment in 2002 by two Silicon Valley entrepreneurs, Vantron Technology has been at the forefront of the connected IoT devices and IoT platform solutions. Today, Vantron boasts a global customer base that includes several Fortune 500 companies. Its product lines cover edge intelligent hardware, IoT communication devices, industrial displays and BlueSphere cloud device management platform.

Vantron's intelligent display systems are comprised of mobile PCs and touchscreen monitors that deliver enhanced device performance and exceptional human-machine interactive experience. The mobile PCs are powered by industry-leading brands such as Rockchip, NXP, MediaTek, and Intel. The touchscreen monitors offer flexible installation options to cater to various application scenarios. Moreover, the displays are built to excel in harsh environments thanks to advanced features like waterproofing, dustproofing, and shatter resistance.