

## TPC215-RK66

### 21.5" All-in-one Panel PC

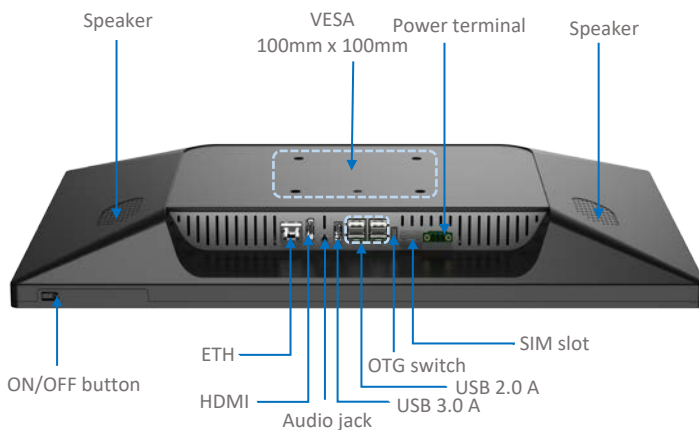


#### Product Brief








Vantron TPC215-RK66 is a 21.5" desktop all-in-one panel PC, powered by RK3566 quad-core high-performance processor. It features a 21.5-inch 10-point PCAP touch screen with 16:9 aspect ratio, delivering full HD images. TPC215-RK66 offers rich interfaces for connection of different peripherals and displays, making it very suitable for application in self-service kiosks and multi-media terminals. The VESA pattern also enable users to mount and maintain the device more flexibly for industrial control.

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



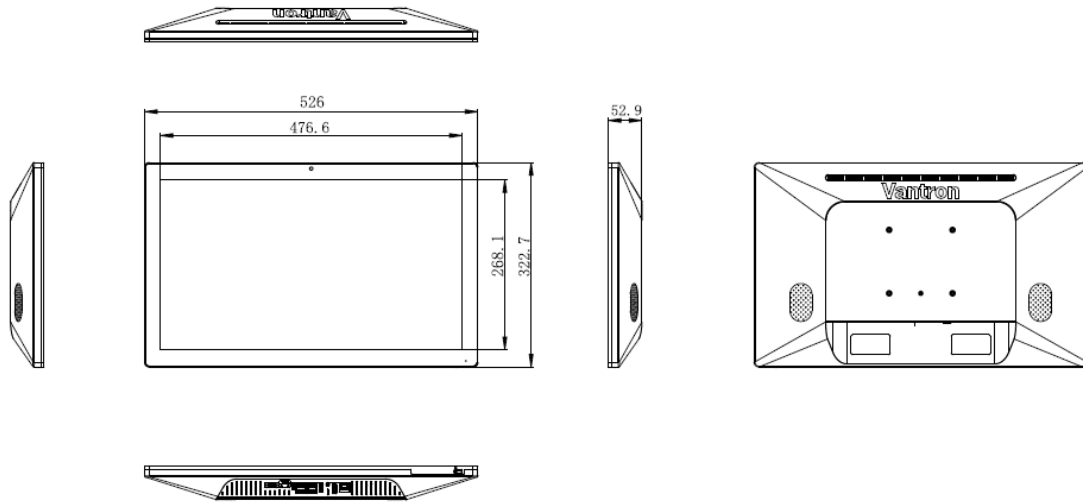
#### TPC215-RK66

-  RK3566 Quad-core high-performance processor
-  Android 11 system, Linux distributions available
-  21.5-inch TFT LCD, 10-point PCAP touch screen
-  ETH/Wi-Fi/BT/4G LTE supported
-  5MP front camera
-  Gigabit Ethernet port
-  Sleek appearance, flexible installation (horizontal, vertical, desktop, wall mounting, floor mounting)

**TPC215-RK66 21.5" All-in-one Panel PC Datasheet**

TPC215-RK66				
<b>System</b>	CPU	Rockchip RK3566, Quad-core ARM Cortex-A55, 1.8GHz (Max.)		
	Memory	2GB (Optional: 4GB)		
	Storage	16GB (Optional: 32GB)		
<b>Communication</b>	Ethernet	1 x RJ45, 10/100/1000Mbps		
	Wi-Fi & Bluetooth	2.4GHz & 5GHz 802.11 a/b/g/n/ac + BT 5.0 and later		
	Cellular	Optional: 4G LTE (CAT 4)		
<b>Media</b>	Display	21.5" TFT LCD	Contrast ratio: 1000:1	
		Resolution: 1920 x 1080 @60Hz	Aspect ratio: 16:9	
		Brightness: 250 nits	Viewing angle: 89/89/89/89 (U/D/L/R)	
	External display	1 x HDMI, up to 4K @60Hz		
	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	1 x 3.5mm combo audio jack	2 x 2W Speaker		
<b>I/Os</b>	USB	4 x USB 2.0 Type-A (OTG supported on the top right interface)	1 x USB 3.0 Type-A	
	RTC	Supported, scheduled on/off supported		
	WDT	Supported		
<b>System control</b>	Button	1 x ON/OFF button		
	LED indicator	1 x Power indicator		
<b>Software</b>	OS	Android 11	Optional: Yocto (VT UI)	
	Device management platform	BlueSphere MDM (Android version only)		
	OTA tool	BlueSphere OTA		
<b>Power</b>	Input	12V DC	1 x 3-pin power terminal	
	Consumption	< 35W		
<b>Mechanical</b>	Material	Plastic, white (optional: Black)		
	Dimensions	526mm x 322.7mm x 52.9mm		
	Installation	VESA mounting (100mm x 100mm)		
	Protective features	IP54 (front side only)		
	Heat dissipation	Fanless (Heatsink)		
<b>Environment condition</b>	Temperature	Operating: 0°C~+40°C	Storage: -20°C~+60°C	
	Certification	CCC, FCC		

**Product Outlines**



**Ordering Information**

Ordering No.	Memory	Storage	Front camera	Wi-Fi & Bluetooth	Ethernet	4G LTE
TPC215-RK66-L	2GB	16GB	Yes	Yes	Yes	-
TPC215-RK66-L4	2GB	16GB	Yes	Yes	Yes	Yes
TPC215-RK66-H	4GB	32GB	Yes	Yes	Yes	-
TPC215-RK66-H4	4GB	32GB	Yes	Yes	Yes	Yes

Packing List	
TPC215-RK66 all-in-one panel PC	1
Female DC power connector	1

Optional Accessories	
12V 5A 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, touchscreen monitors and all-in-one panel PCs that deliver enhanced device performance and exceptional human-machine interactive experiences. 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. The all-in-one panel PCs offer an overall solution that integrates the touchscreen monitor, display, processor, and operating system. Moreover, the displays are built to excel in harsh environments thanks to advanced features like waterproofing, dustproofing, and shatter resistance.

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