TPC156-RK66

15.6" All-in-one Panel PC

● Product Brief

Vantron TPC156-RK66 is a 15.6" desktop all-in-one panel PC, powered by RK3566 quad-core high-performance processor. It features a 15.6-inch 10-point PCAP touch screen with 16:9 aspect ratio, delivering full HD images. TPC156-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
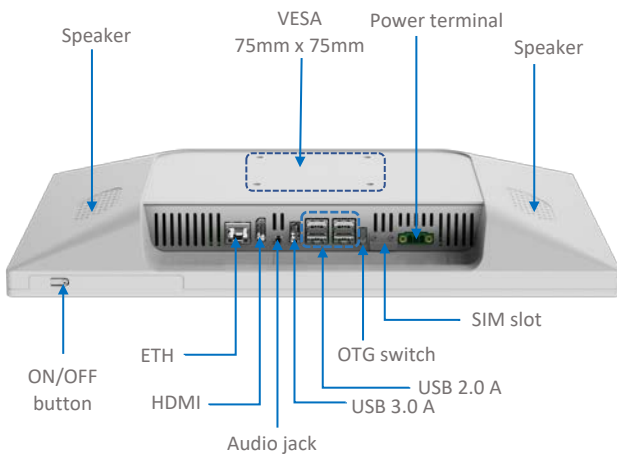
TPC156-RK66
RK3566 Quad-core high-performance processor
Android 11 system, Linux distributions available
15.6-inch TFT LCD, 10-point PCAP touch screen
ETH/Wi-Fi/BT/4G LTE supported
5MP front camera
Gigabit Ethernet port
Sleek appearance, flexible installation (horizontal, vertical, desktop, wall mounting, floor mounting)

Labels (exterior diagram): Speaker, VESA 75mm x 75mm, Power terminal, Speaker, ON/OFF button, ETH, HDMI, Audio jack, USB 3.0 A, USB 2.0 A, OTG switch, SIM slot


TPC156-RK66 15.6" All-in-one Panel PC Datasheet

TPC156-RK66			
System	CPU	Rockchip RK3566, Quad-core ARM Cortex-A55, 1.8GHz (Max.)	
	Memory	2GB (Optional: 4GB)	
	Storage	16GB (Optional: 32GB)	
Communication	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)	
Media	Display	15.6" TFT LCD	Contrast ratio: 800:1
		Resolution: 1920 x 1080 @60Hz	Aspect ratio: 16:9
		Brightness: 300 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
I/Os	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	
System control	Button	1 x ON/OFF button	
	LED indicator	1 x Power indicator	
Software	OS	Android 11 (GMS certified)	Optional: Yocto (VT UI)
	Device management platform	BlueSphere MDM (Android version only)	
	OTA tool	BlueSphere OTA	
Power	Input	12V DC	1 x 3-pin power terminal
	Consumption	< 25W	
Mechanical	Material	Plastic, white (optional: Black)	
	Dimensions	381.2mm x 246.6mm x 47.2mm	
	Installation	VESA mounting (75mm x 75mm)	
	Protective features	IP54 (front side only)	
	Heat dissipation	Fanless (Heatsink)	
Environment condition	Temperature	Operating: 0℃~+40℃	Storage: -20℃~+60℃
	Certification	CCC, FCC	

Product Outlines
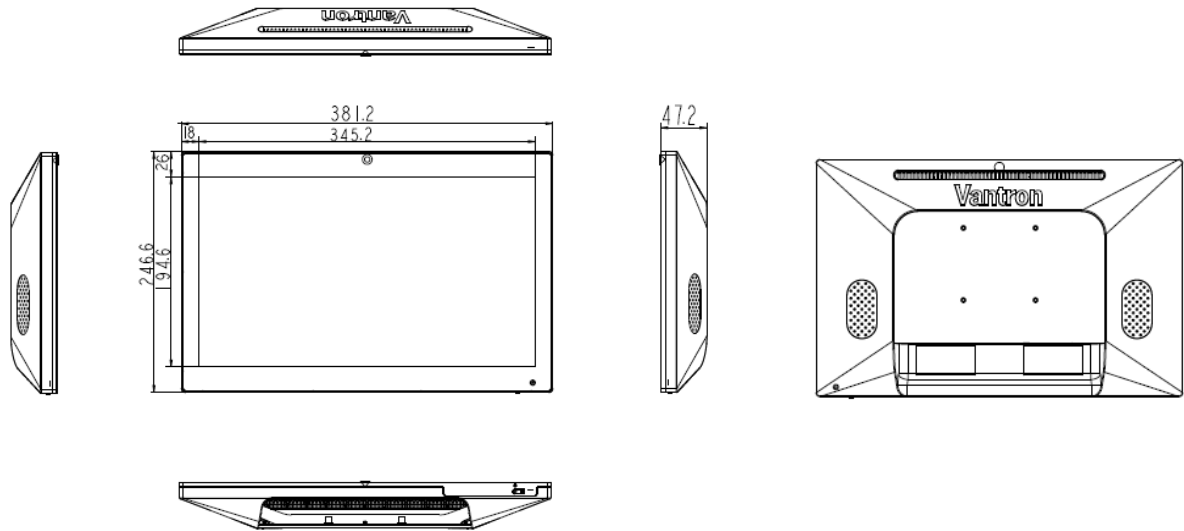
Ordering Information

Ordering No.	Memory	Storage	Front camera	Wi-Fi & Bluetooth	Ethernet	4G LTE
TPC156-RK66-L	2GB	16GB	Yes	Yes	Yes	-
TPC156-RK66-L4	2GB	16GB	Yes	Yes	Yes	Yes
TPC156-RK66-H	4GB	32GB	Yes	Yes	Yes	-
TPC156-RK66-H4	4GB	32GB	Yes	Yes	Yes	Yes

Packing List	
TPC156-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.