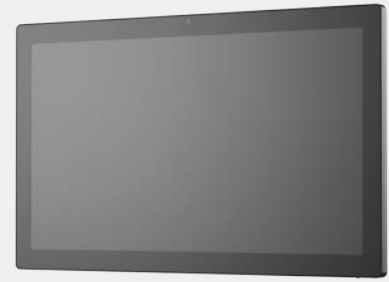# TPC215-APL

21.5" All-in-one Panel PC

Product Brief

Vantron TPC215-APL is a 21.5" desktop all-in-one panel PC, powered by the high-performance Intel Apollo Lake processor. It features a 21.5-inch 10-point PCAP touchscreen monitor with 16:9 aspect ratio. TPC215-APL offers multiple configuration options. Its rich interfaces allow for connection of different peripherals and displays, making it very suitable to be applied in self-service kiosks and multi-media terminals. The VESA pattern also enables 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

SIM slot

USB 3.0 A

2 x ETH

HDMI

ON/OFF button

DC jack

USB 2.0 A

Audio jack

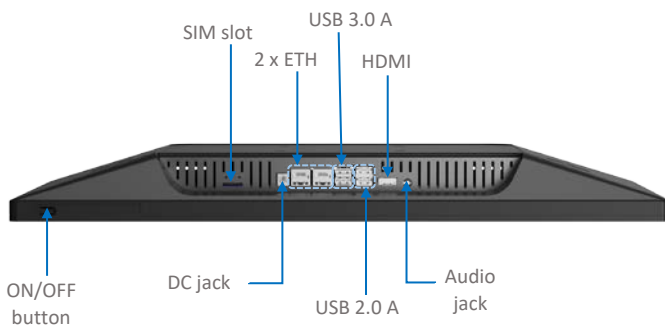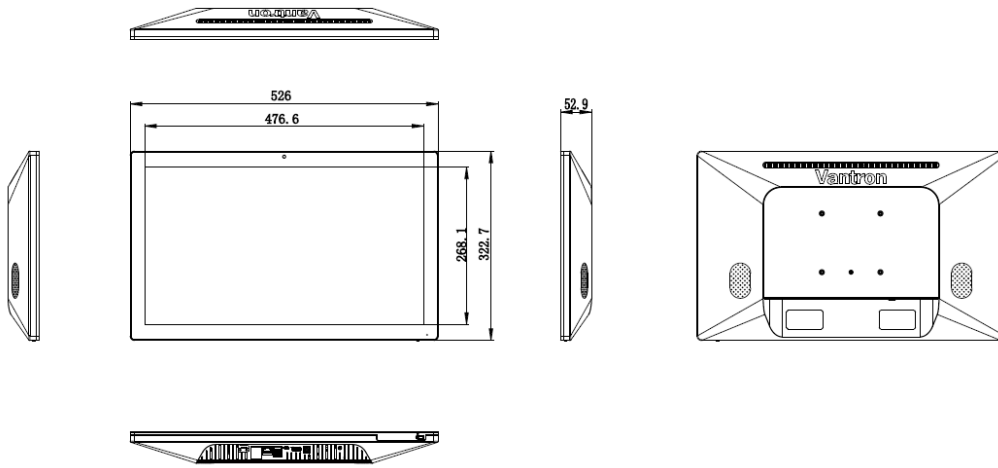| TPC215-APL |
| --- |
| Intel® Atom E3940 Quad-core high-performance processor |
| Windows 10 IoT system, Linux distributions available |
| 21.5-inch TFT LCD, 10-point PCAP touch screen |
| 5MP front camera |
| Ethernet/Wi-Fi/Bluetooth/4G LTE supported |
| Dual gigabit Ethernet ports |
| Sleek appearance, flexible installation (horizontal, vertical, desktop, wall mounting, floor mounting) |

▬▬ TPC215-APL 21.5" All-in-one Panel PC Datasheet

TPC215-APL				
System	CPU	Intel Atom®, APL-I E3940 Quad-core processor, 1.8GHz (Max.)		
	Memory	4GB (Optional: 8GB)		
	Storage	128GB (Optional: 256GB)		
Communication	Ethernet	2 x RJ45, 10/100/1000Mbps		
	Wi-Fi & BT	2.4GHz & 5GHz 802.11 a/b/g/n/ac + BT 5.0 and later		
	Cellular	Optional: 4G LTE (CAT 4)		
Media	Display	21.5-inch 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 @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	1 x 3.5mm combo audio jack	2 x 2W Speaker	
I/Os	USB	2 x USB 3.0 Type-A	2 x USB 2.0 Type-A	
	RTC	Supported, scheduled on/off supported		
	WDT	Supported		
	SIM slot	1 x SIM slot		
System control	Button	1 x ON/OFF button		
	LED indicator	1 x LED indicator (Power and system status)		
Software	OS	Windows 10 IoT	Optional: Linux	
	OTA tool	BlueSphere OTA		
Power	Input	12V ~ 36V DC 1 x DC jack		
	Consumption	< 35W		
Mechanical	Dimensions	526mm x 322.7mm x 52.9mm		
	Installation	VESA mounting (100mm x 100mm)		
	Protective features	IP54 (front side only)		
	Heat dissipation	Fanless (Heatsink, housing)		
Environment condition	Temperature	Operating: 0℃ ~ +40℃	Storage: -20℃ ~ +60℃	
	Humidity	RH 0-90% (Non-condensing)		
	Touch life	> 50 million touches		
	Certification	CCC, FCC		

Product Outlines

Ordering Information

Ordering No.	Memory	Storage	Front camera	Wi-Fi & BT	Ethernet	4G LTE
TPC215-APL-L	4GB	128GB	Yes	Yes	Yes	-
TPC215-APL-L4	4GB	128GB	Yes	Yes	Yes	Yes
TPC215-APL-H	8GB	256GB	Yes	Yes	Yes	-
TPC215-APL-H4	8GB	256GB	Yes	Yes	Yes	Yes

* More variants are available, please contact the sales executive for details.

Packing List	
TPC215-APL all-in-one panel PC	1
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.