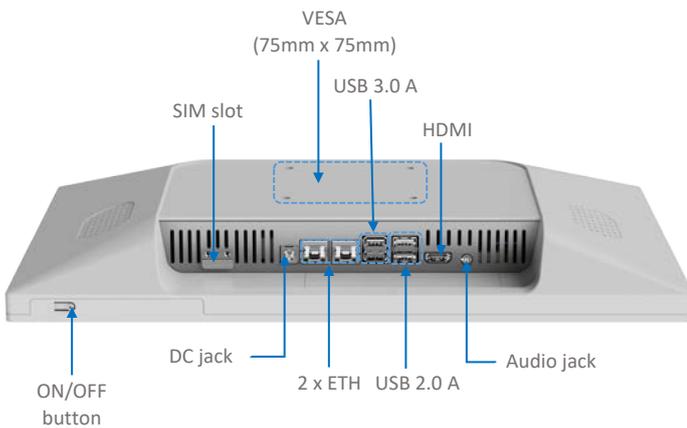# TPC156-APL

15.6" All-in-one Panel PC

Product Brief

Vantron TPC156-APL is a 15.6" desktop all-in-one panel PC, powered by the high-performance Intel Apollo Lake processor. It features a 15.6-inch 10-point PCAP touchscreen monitor with 16:9 aspect ratio, delivering full HD images. TPC156-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 patterns 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.
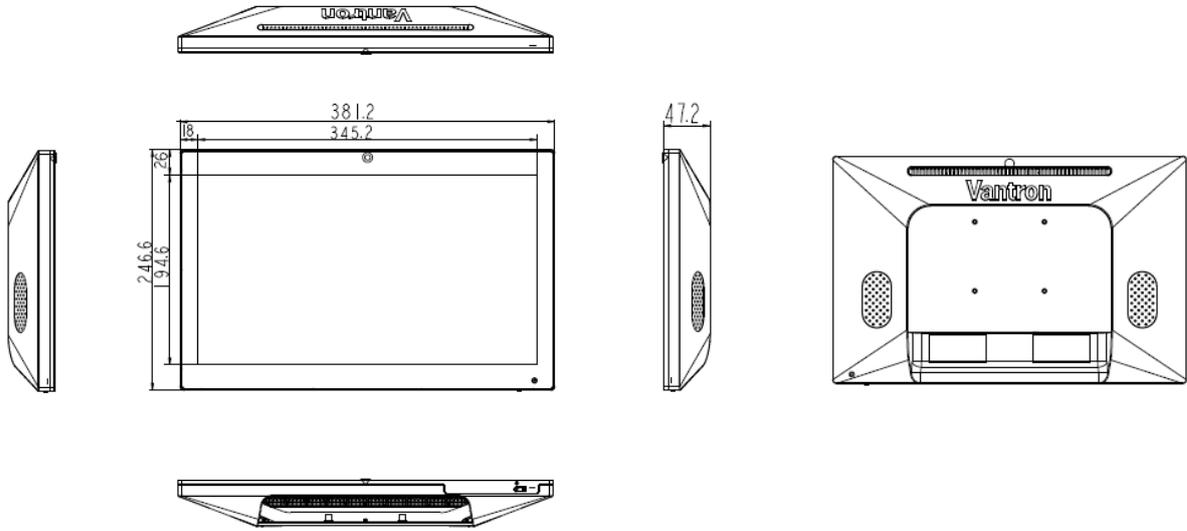

Exterior and Features

VESA
(75mm x 75mm)
USB 3.0 A
SIM slot
HDMI
DC jack
2 x ETH USB 2.0 A
Audio jack
ON/OFF button

TPC156-APL
Intel Atom® E3940 Quad-core high-performance processor
Windows 10 IoT system, Linux distributions available
15.6-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)

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

TPC156-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	15.6-inch TFT LCD	Contrast ratio: 800:1
		Resolution: 1920 x 1080 @60Hz	Aspect ratio: 16:9
		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	1 x 3.5mm combo audio jack	Built-in dual-track speakers (2 x 2W)
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 DC 1 x DC jack	
	Consumption	< 30W	
Mechanical	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℃
	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
TPC156-APL-L	4GB	128GB	Yes	Yes	Yes	-
TPC156-APL-L4	4GB	128GB	Yes	Yes	Yes	Yes
TPC156-APL-H	8GB	256GB	Yes	Yes	Yes	-
TPC156-APL-H4	8GB	256GB	Yes	Yes	Yes	Yes

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

Packing List	
TPC156-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.