

TPC070-3568

7" All-in-one Panel PC

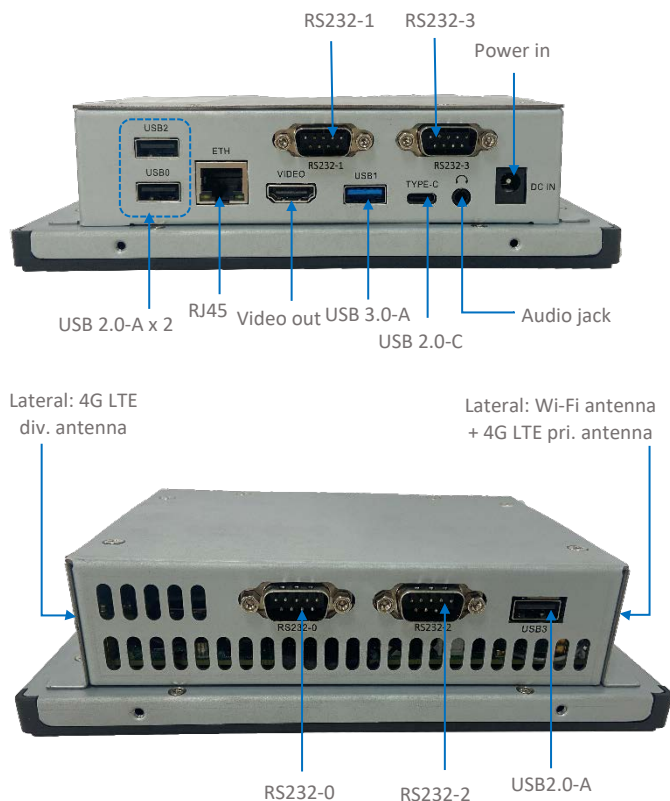


Product Brief

Vantron TPC070-3568 is an open-frame 7-inch all-in-one panel PC powered by a quad-core Cortex-A55 processor. It features a high-definition, reliable 7-inch touchscreen monitor integrated with a compact, multifunctional embedded industrial motherboard, meeting diverse customer application requirements. The device is equipped with a high-performance, low-power processor, allowing for greater flexibility in solutions. In addition, its fanless design enhances stability and reliability during operation.

TPC070-3568 offers rich interfaces to accommodate various peripheral needs. Additionally, it can be customized based on customer requirements, making it adaptable for applications in retail, logistics, healthcare, and more. This all-in-one touchscreen device integrates touch, display, motherboard, and software into a comprehensive solution, making it the preferred choice for enterprises seeking to enhance their success.

Exterior and Features



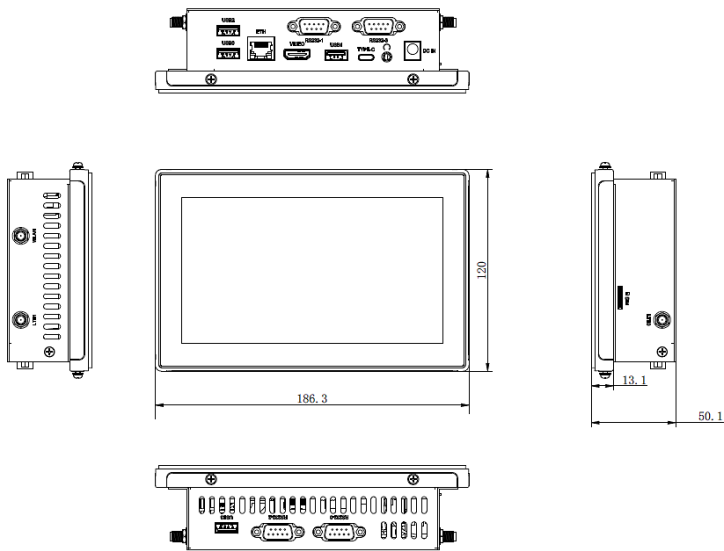
TPC070-3568

- Quad-core ARM Cortex-A55 CPU
- Default 4GB memory + 32GB storage
- 7-inch TFT LCD, 1024 x 600, 300 nits
- Multi-point capacitive touch technology
- Wi-Fi/BT/4G LTE /ETH connectivity
- Rich interfaces for flexible connection of peripherals
- Compact size, ultra-thin touchscreen
- Extended life cycle, high reliability

TPC070-3568 7" All-in-one Panel PC Datasheet

TPC070-3568			
System	CPU	Quad-core ARM Cortex-A55 processor, 2.0GHz (Max.)	
	Memory	4GB DDR4	
	Storage	32GB eMMC	
Communication	Ethernet	1 x RJ45, 10/100/1000Mbps	
	Wi-Fi & BT	Wi-Fi 802.11 a/b/g/n/ac + BT 5.0 and later	
	Cellular	4G LTE	
Media	Display	7-inch TFT LCD	Contrast ratio: 500:1
		Resolution: 1024 x 600	Aspect ratio: 17:10
		Brightness: 300 nits	Viewing angle: 170° (H), 160° (V)
	Extended display	1 x HDMI, up to 4K @60Hz	
	TP	5-point PCAP touchscreen	
		Surface treatment (Optional): Anti-fingerprint (AF)	Cover lens: Chemical surface toughening
	Audio	1 x 3.5mm combo audio jack	
I/O	USB	1 x USB 3.0 Type-A	1 x USB 2.0 Type-C
		3 x USB 2.0 Type-A	
	Serial port	4 x RS232 (Default para.: 9600, 8N1)	
	RTC	Supported	
	WDT	Supported	
Software	SIM slot	1 x Micro SIM slot	
	OS	Android 11	
Power	Device management platform	BlueSphere MDM (Optional)	
	Input	12V/14V DC	1 x Power jack
Mechanical	Dimensions	186.3mm x 120mm x 50.1mm	
	Installation	Flush mounting	
	IP rating	IP54 (front panel)	
	Heat dissipation	Fanless (Heatsink, housing)	
Reliability	MTBF	> 50,000 hours	
	Warranty	2 years	
Environment condition	Temperature	Operating: -10°C ~ +50°C	Storage: -20°C ~ +70°C
	Humidity	5%~95% RH (Non-condensing)	
	ESD	±4KV (Contact), ±8KV (Air)	
	Certification	FCC, CE	

Product Outlines



Ordering Information

Ordering No.	Memory	Storage	Anti-fingerprint	Wi-Fi & BT	Ethernet	4G LTE
TPC070-3568	4GB	32GB	-	Yes	Yes	Yes
TPC070-3568-AF	4GB	32GB	Yes	Yes	Yes	Yes

* More variants are available, please contact your sale executive for details.

Packing list	
TPC070-3568 all-in-one panel PC	1
Wi-Fi & BT antenna	1
4G LTE antenna	2

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 Fortune Global 500 companies. Its product lines cover intelligent edge hardware, IoT communication devices, intelligent displays, and BlueSphere cloud platforms.

Vantron’s intelligent displays are comprised of industrial tablets, touchscreen monitors and all-in-one panel PCs that deliver enhanced device performance and exceptional human-machine interactive experiences. The industrial tablets are powered by industry-leading brands such as 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.