

## TPC101-RK3568-NT

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

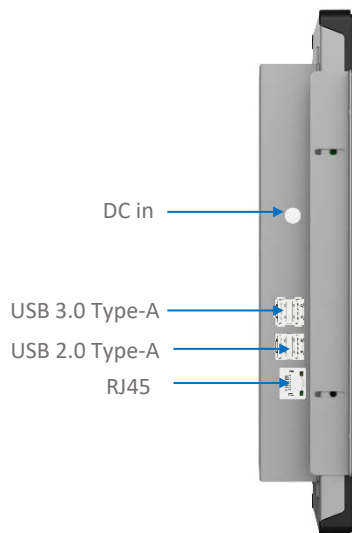


#### Product Brief








Vantron TPC101-RK3568-NT is an open-frame all-in-one panel PC, powered by Rockchip RK3568 quad-core high-performance processor. It features a 10.1-inch 10-point PCAP touchscreen monitor with 16:9 aspect ratio. TPC101-RK3568-NT supports both Android and Linux operating systems and 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 brackets also allow users to flush mount the device into any suitable openings 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



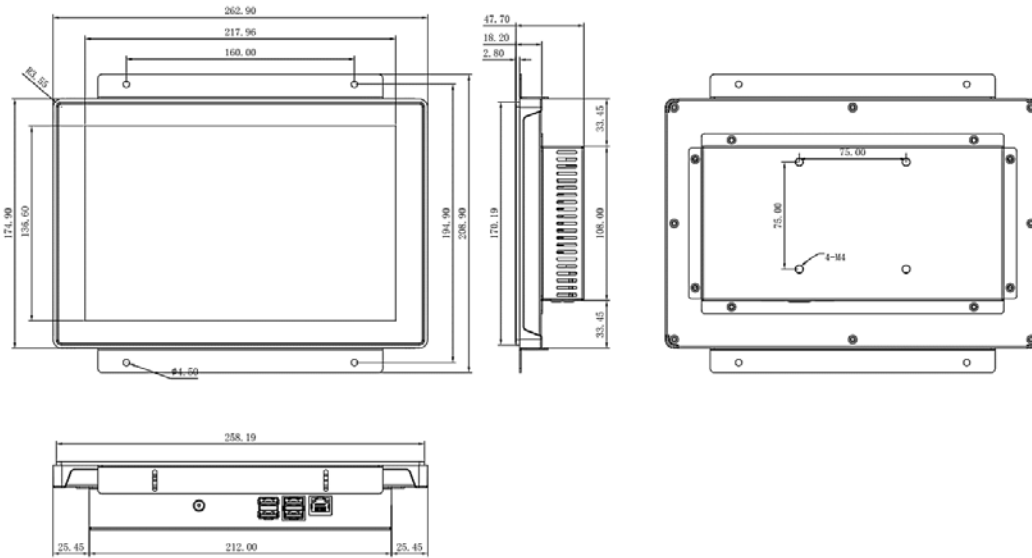
#### TPC101-RK3568-NT

-  RK3568 Quad-core ARM Cortex-A55 processor
-  Ethernet/Wi-Fi/Bluetooth supported
-  10.1-inch TFT LCD, 1280 x 800, 300 nites
-  Low-power, fanless design
-  Front panel IP65 rated
-  12VDC in
-  Sleek appearance, side bracket installation

**TPC101-RK3568-NT 10.1" All-in-one Panel PC Datasheet**

TPC101-RK3568-NT			
<b>System</b>	CPU	Rockchip RK3568, Quad-core ARM Cortex A55 processor, 1.8GHz (Max.)	
	Memory	4GB (Optional: 2GB)	
	Storage	64GB (Optional: 16GB/32GB)	
<b>Communication</b>	Ethernet	1 x RJ45, 10/100/1000Mbps	
	Wi-Fi & BT	Wi-Fi 802.11 b/g/n/ac + BT 5.0	
<b>Media</b>	Display	10.1-inch TFT LCD	Contrast ratio: 800:1
		Resolution: 1280 x 800 @60Hz	Aspect ratio: 16:10
		Brightness: 300 nits	Viewing angle: 85/85/80/80 (U/D/L/R)
	TP	10-point PCAP touch screen	Surface hardness: 6H
		Surface treatment (Optional): Anti-glare (AG) / anti-reflection (AR)	Cover lens: At least IK03 rated Light transmittance ratio: > 85%
<b>I/Os</b>	USB	2 x USB 3.0 Type-A 2 x USB 2.0 Type-A	
	RTC	Supported, scheduled on/off supported	
	WDT	Supported	
<b>Software</b>	OS	Android 11, Linux	
	Device management platform	BlueSphere MDM (Optional)	
	OTA tool	BlueSphere OTA (Optional)	
<b>Power</b>	Input	12V DC	1 x Power jack
	Consumption	~ 15W	
<b>Mechanical</b>	Dimensions	262.9mm x 174.9mm x 47.7mm (Panel cutout recommended: 258mm x 170mm)	
	Installation	Side mounting VESA mounting (70mm x 70mm, M4 x 10mm)	
	Protective features	IP65 (front panel only)	
	Weight	1.5kg	
	Heat dissipation	Fanless	
<b>Environment condition</b>	Temperature	Operating: -10°C ~ +50°C	Storage: -20°C ~ +70°C
	Humidity	Operating: RH 20% ~ 80% (Non-condensing) Storage: RH 10% ~ 90%	
	Certification	CCC, FCC	

**Product Outlines**



**Ordering Information**

Ordering No.	Memory	Storage	Wi-Fi & BT	Ethernet
TPC101-RK3568-NT-H	4GB	64GB	Yes	Yes
TPC101-RK3568-NT-L	2GB	16GB	Yes	Yes

Packing list	
TPC101-RK3568-NT all-in-one panel PC	1
Wi-Fi & BT antenna (rubber stick)	1
QC pass	1

Optional accessories	
12V 3A DC adapter	1
AC Power cable (US)	1
Wi-Fi & BT antenna (sucker)	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 experience. The industrial tablets 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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