

## ARM All-in-One Panel PC for Special vehicle

It is made of aluminum alloy. The front panel is IP65 waterproof, the back cover is dust-proof and the interface is waterproof. It is compact and durable. Capacitive touch screen, with the front panel key function added, makes the operation more intuitive; The shockproof structure layout inside the fuselage is specially designed for the needs of special vehicles such as shockproof, waterproof and dust-proof, precise positioning, and external equipment, which can meet the supporting needs of industrial special vehicles, high-speed rail dispatching platforms, agricultural vehicles and other models.

### Features >>

- 10.1 inch, specially made for special vehicles
- Anti falling aviation joint design, shockproof and anti falling, dustproof and waterproof.
- Support ACC delayed shutdown to avoid the impact of sudden power failure on equipment.
- Independent research and development of ARM architecture industrial motherboard, four core powerful processor.
- The optional CAN interface is more convenient to connect with the vehicle.
- SDK package is provided to support secondary development.



10.1"

ISO FC CE CCC RoHS 10 X



### Product Model >>

Product size	Non-touch	Capacitive Touch	Resistive Touch	Resolution	Screen Scale	Brightness	Contrast ratio	Viewing Angle
10.1"	TPC101-A2000	TPC101-A2010	TPC101-A2020	800*1280	16:10	300cd/m <sup>2</sup>	1000:1	85/85/85/85 (L/R/U/D)



### Product Installation >>



Vehicle-mounted ball head rotatable stands mounting



Wall mounted installation



Cantilever installation

## Product Specifications >>

### Screen parameters

Size	10.1"
Resolution/functions	800*1280
Display Area	135.36(H) X216.576(V) mm
Pixel pitch(mm)	0.1692(H) X 0.1692(V)

### Hardware Configuration

CPU	RK3288 Quad-core, Frequency reaches 1.8GHz	WiFi	2.4G+5G dual-band Wifi
Memory	2G DDR3 (Optional 4G/8G )	Bluetooth	BT4.2
Storage	16GB eMMC(optional 128/256/500GB)	GPS	Support (optional)
GPU	Mali-T764	Speaker	Support (8Ω 3W *2)
Operating system	Android 7.1/10.0/12, Linux4.4, Ubuntu18.04/20.04, Debian10.0	RTC POWER BOIS	Support

### Touch Screen

Capacitive Touch	Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB
Resistive Touch	Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB
Non touch	Light transmittance: ≥ 92%

### Reliability parameters

Working temperature	- 10 ° C~60 ° C
Storage temperature:	- 20 ° C~70 ° C
Operating humidity	Humidity: 95% non condensing
Vibration protection	IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Impact protection	IEC 60068-2-27, half sine wave, duration 11ms
Product certification	CCC/CE/FCC/EMC/CB/ROHS
Waterproof	Front panel reaches IP65 protection level

### Other parameters

Power input	12V-36V power input
Static power	18W
Fuselage Properties	Body material: aluminum alloy, Body color: classic black
warranty policy	Three years (one year free warranty)
Installation method	Support vehicle mounted ball head rotatable bracket installation, wall installation, cantilever installation, etc

### I/O Interface

Power interface	1*Waterproof aviation head interface (GX12-3 pin), Support 12V-36V wide voltage power supply
USB2.0	1*Waterproof aviation head interface (GX12-4 pin)
COM	2*Waterproof aviation head interface (GX12-4 pin)

## Interface Distribution >>

