

X86 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 Display Size, Professionally Designed For Heavy-duty Special Vehicles.
- Excellent In Shockproof, Dustproof, and Waterproof.
- Wide Voltage up to 12-36V, multi-power supply for option.
- Self-developed industrial motherboard, and compatible with nearly 99% of software in market.
- 7*24 long-time operation in harsh environments.
- ACC delay switch, power-on delay for 5S, shutdown delay for 40S.
- CAN port is available for better connection with the vehicle.



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-W2000	TPC101-W2010	TPC101-W2020	1280*800	16:10	300cd/m ²	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	1280*800
Display Area	135.36(H) X216.576(V) mm
Pixel pitch(mm)	0.1692(H) X 0.1692(V)

Hardware Configuration

CPU	Intel Celeron J1900 quad-core 1.99GHz	WiFi	2.4G+5G dual-band Wifi
RAM	4G DDR3(Optional 8G)	Bluetooth	BT4.0(Optional)
ROM	64G SSD(Optional 128G/256G/512G SSD. 1T/2T HDD)	GPS	Support(Optional)
Chipset	Intel Bay trail SOC	Speaker	Support(8Ω 3W *2)
Graphics card	Integrated HD Graphic display core		
Operating system	Win7/10, Ubuntu/Centos/Redhat/Debian/Linux		

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 >>

