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 water-proof. 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″

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/m²	1000:1	85/85/85/85 (L/R/U/D)

Product Installation

Vehicle-mounted ball head rotatable stands mounting

Wall mounted installation

Cantilever installation

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Product Specifications »

Screen parameters			
Size	10.1”		
Resolutionfunctions	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(8Ω3W *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 »

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