Android In-Vehicle Industrial Panel PC Vehicle AGV Computer

Size: 10.1

10.1-inch in-vehicle industrial Android panel PC with fully enclosed dust-proof design, excellent anti-vibration performance, and adopts aviation connectors with anti-shedding plug interface design, offering an SDK kit for your second upper-level development.
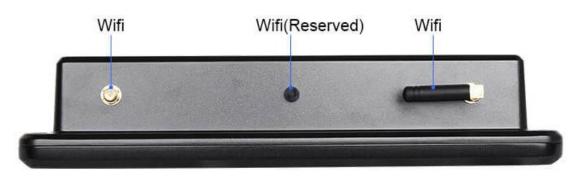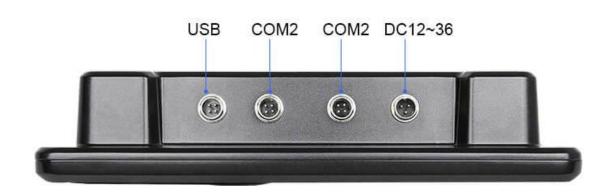
Wifi   Wifi(Reserved)   Wifi

USB COM2 COM2 DC12~36

SD-OMEGA 10.1" Android PANEL PC - SD101-A-CZ10
Easy Deployment For Heavy-duty Applications

SD-OMEGA vehicle-mounted panel PCs are particularly suitable for installation in cabins of various vehicles, including cars, mining trucks, delivery robots, agricultural vehicles, etc, where need high protection factors.

Features

• Display: 10.1" 1280*800, 16:10 TFT LCD panel with a PCAP touch screen
• The SD10-CZ10 adopts an Android system with a powerful RK3288-I, Quad-core 1.8GHz (RK3399, Six-core 2.0GHz for option).
• Brightness: 300 NITS LED backlight, with auto-dimming function
• Sunlight readable TFT LCD, optimizing the visibility in a critical environment.
• Power: DC 12V to 36V power input; auto power-on using VGA signal
• Built-in multi-functional modules, and supports GPS, 4G LTE, Bluetooth, NFC, camera.
• Mounting: Wall-mounted, VESA 75mm/100mm, stand or headrest mount
• Operating temperature: -20 to 60 Degrees Centigrade
• IP65 dustproof and waterproof, pure flat panel
• Anti-vibration: Full shockproof robust aluminum alloy casing
• 24/7 long-time running
• Compliance: CE, FCC, RoHS, CCC

Android 7.1 RK3288, Quad-core 1.8GHz By Default
RK3399, Six-core 2.0GHz for option

Vehicle-Mounted Industrial Panel PC For Heavy-duty Sites
Fanless Design For Heat-dissipation, Low Power Consumption
24/7 Long-term Continuous Stable Operation, Low failure rate

Provide Motherboard's SDK

Support Second APPs Development
Support Android System Customization, Provide System Call Interface
API Reference Code

RK3288 Processor

● Mali-T764 GPU (Mali-T860MP4 option)
● 4K UHD H265/H264/VP9
● Dual USB Type-C and USB 2.0
● Dual-Band WiFi 2.4G/5G
● Bluetooth BT4.0
● Support Built-in 4G, GPS Module

Spec Item	Description
Display & Configuration	
LCD Panel	10.1" TFT LCD; 1280*800
CPU	RK3288-I Quad-core 1.8GHz (RK3399 Six-core 2.0GHz is optional)
SSD	16G (32G / 64G optional)

eMMC	2G (4G / 8G optional)
Chipset	Intel Bay Trail SOC chipset
Operating System	Android 7.1
Graphics Card	Integrated HD Graphics
3G/4G Modules	Support
Wifi	2.4G (dual-band 2.4G / 5G optional)
GPU	Mali-T764 (Mali-T860MP4 optinal)
Bluetooth / GPS / MIC	Optional
RTC / Wake On LAN /	Support
Touchscreen	Capacitive
Front Bezel	IP65, NEMA 4 protection, aluminum alloy housing
Backlight MTBF(hrs)	50000
Contrast	600:1
Brightness	300 nits (High brightness above 400cd/m2 can be customized)
Viewing Angle	170°/170° (178° full viewing angle can be customized)
Response Time	6.5ms
Mounting Types	Wall-mounted, VESA 75/100mm, Headset, stand
Interfaces	
DC port	1*waterproof aviation connector (GX12-3 core)
USB 2.0	1*waterproof aviation connector (GX12-4 core)
COM	2*waterproof aviation connector (GX12-4 core)
Speaker	Support (2*8Ω2W)
Environment	
Operating Temperature	-10 °C ~ 60 °C (-30 °C ~ 80° C can be customized)
Storage Temperature	-40 °C ~ 85 °C
Humidity	20%-95%, non-condensing
Power Supply	
Power Consumption	≤35W
Power Input	AC 100-240V 50/60Hz, CCC, CE certification approved
Power Output	DC12V / 5A