



APOLLO 12 X

Next-Gen High-Performance Edge Computing Platform

- **1T computing power** – The optimal entry-level edge computing solution
- **CPU + GPU + NPU** architecture for lightweight AI algorithms and 2D/3D graphics processing
- **Gigabit automotive Ethernet** – High bandwidth, ultra-low latency data transmission
- **Dual OS support (Android/Linux)** – Streamlined, developer-friendly experience
- **Versatile connectivity:** 4x SocketCAN & 4G/5G wireless communication
- **Application-ready for:** CP ISO BUS VT CP AVM 360° surround view systems
- **Expandable dual-display support** – Single host, dual screens, multiple applications



1T computing
power



On-Device
AI



Gigabit
Ethernet



Android/
Linux OS



SocketCAN



4G/5G
Communication



CP AVM 360°
Surround View



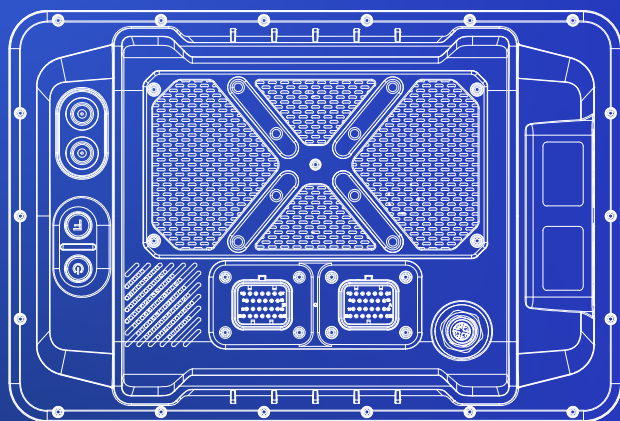
CP
ISOBUS VT



CP DEVICE
WWW.CPDEVICE.COM

Specifications

System	CPU Quad-Core 64 Bit Cortex-A55, 2.0GHz GPU ARM G52 2EE 2GB RAM LPDDR4, Up to 8GB 16GB ROM EMMC, Up to 128GB Android 11.0, Linux 5.10	Display	12.1" 5-Point Capacitive Multi-touch Screen 1280*800px, Above 750 cd/m², Anti-glare Hybrid dual-screen system supporting: · Independent display/touch modes (extendable) · Synchronized display with touch mirroring
Communication & Interface	4G / 5G WiFi 802.11b/g/n/ac, 2.4G/5G Bluetooth 4.2 GNSS (GPS/BDS/GLONASS), Positioning with meter/ sub-meter/ centimeter level precision, Optional MXT906B/ UM980 / P20E / UM982 / P20D SocketCAN*4 RS232*1+RS485*1 or RS232*2 Debug RS232 ADC input voltage detection, 12V max ADC current sensing, 4~20mA DC_OUTPUT 12V*3 IO_INPUT*3 USB 2.0*1 1000BASE-T1 Automotive Ethernet*1 Supports CP ISOBUS VT	Power	9-36V DC Input ACC Ignition Detection Power Supply Voltage Detection Reverse Voltage Protection
		Sensor	AHD Camera up to 1080P*4 or 720P*4 Support CP AVM 360 Surround View Support Built-in Speaker*1 or External speaker*2 or External dual-channel audio output G-Sensor*1
		Rugged Feature	Protection Level: IP67 Vibration: MIL-STD-810 Road Vehicle Standard: ISO16750 Operation Temperature: -30°C ~ +70°C Operation Humidity: 0% ~ 90%RH Storage Temperature: -40°C~ +85°C Salt Spray: 48 Hours of Salt Spray Test
Connector	26PIN Connector *2 M12 X-code Aviation Connector*1 SMA Female Connector *1 TNC Female Connector *2 USB Type-A Connector*1	Mechanical Spec	Dimension (W*H*D): 297.6x199.7x34.8mm Weight: 1.49kg
		Button	Power Button*1, Function Button*1



APPLICATIONS



Precision Agriculture



Construction machine



Smart Transportation



Smart Mining



Industrial Control



Warehouse



Bridge Monitoring



Smart Port



Medicine Production