



APOLLO GEN2

REVOLUTIONARY RUGGEDIZED IN-VEHICLE TABLET

Powerful 1 TOPS Performance

Super Fast 5G Communication



1 TOPS



Dual Systems



5G Comm-
unication



CAN
CAN FD



Ultra-Thin Bezel
Anti-Glare Display



IP66



Gigabit
Ethernet



ADC

Industry-Leading Anti-Glare Full Display

7/12.1" 5-point capacitive touch screen
Above 750 nits
Resolution 1024*600P/1280*800P
Anti-glare display under strong sunlight

CP-Comm High-Speed Bus Architecture

Strong performance with stable, superior communication
Multiple platforms operational, supporting OS (Android/Linux), Soc (Rockchip, Allwinner, Qualcomm)
Component-based software development
Easy to integrate new industry protocol and physical bus

IP66 Enhanced Protection

Dust tight, completely preventing dust coming in
Protection from Waves, when subjected to violent waves or strong water jets, the water inflow is harmless



Sensitive Ultra-Link 5G Pioneer

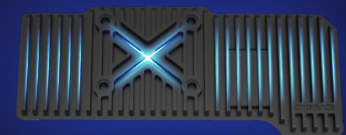
Support 4G/5G wireless communication
Ensure high-quality communication in low-density and weak signal coverage areas
CP self-developed built-in antenna

Unrivalled Processing Capabilities

CPU quad-core 64 bit Cortex-A55, 2.0GHz
GPU ARM G52 2EE
Support OpenGL ES1.1/2.0/3.2
OpenCL 2.0, Vulkan 1.1
High-performance 2D acceleration hardware
1 TOPS

Ultra-Thin Body Cool Sink

Industrial design
As thin as 30+mm unprecedented ultra-thin body
Optimized heat transfer with 18561.4mm² large dissipation area



* CP Cool Sink Heat Dissipation Technology

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Product Specs

<p>System</p>	<p>CPU Quad-Core 64 Bit Cortex-A55, 2.0GHz GPU ARM G52 2EE, Support OpenGL ES1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1, High-Performance 2D Acceleration Hardware 1 TOPS (NPU Supports 0.8 TOPS)</p> <p>Support Android 11.0 Support Linux 5.10, Qt 5.15.7 Support 2G RAM LPDDR4, Up to 8G Support 16G ROM EMMC, Up to 256G</p>	<p>Display</p>	<p>7"/12.1" 5-Point Capacitive Touch Screen Above 750 Nits Resolution: 7" 1024*600P/12.1" 1280*800P Anti-Glare Display under Strong Sunlight</p>
<p>Communication & Sensor</p>	<p>MIC *1 Built-in Speaker *1 External Speakers USB3.0 Interface *1 Gigabit Ethernet *1 G-Sensor *1 LTE 4G/5G Communication Module WIFI 802.11b/g/n, 2.4G Bluetooth 4.2 MXT906B & UM980 & P20E</p>	<p>Power</p>	<p>5-36V DC Input ACC Ignition Detection Power Supply Voltage Detection Under and Over Voltage Protection Reverse Voltage Protection</p>
<p>Rugged Feature</p>	<p>Protection Level: IP66 Vibration: MIL-STD-810 Road Vehicle Standard: ISO16750 Operation Temperature: -20°C-+70°C, Humidity: 0% - 90%RH; Storage Temperature: -30°C - +85°C, Humidity: 30% - 95%RH; Salt spray: 48 Hours of Salt Spray Test</p>	<p>I/O Interface</p>	<p>CAN *3 (CAN *2, CAN FD *1) Up to RS232 *3 RS485 *1 ADC_IN Detection *2, Max. INPUT 12V DC_OUTPUT 12V *2 IO_INPUT *2 Up to AHD Camera *4</p>
<p>Button</p>	<p>2 Buttons: Turning On/Off, Firmware Management, Function Customization</p>	<p>Connector</p>	<p>26PIN Connector *1 M12 X-Code Aviation Plug *1 SMA Female Connector *1 TNC Female Connector *1</p>
		<p>Light Bar</p>	<p>LED Light Bar, LED Lights *16 (12.1" Optional)</p>
		<p>Mechanical Spec</p>	<p>7" : 200*134*32.52mm, 0.685kg 12.1" : 317.8*219.6*34.5mm, 1.75kg</p>
		<p>Installation</p>	<p>Easy to Install with Vehicle RAM Mount on the Console or Any Other Surface of Farming Machines and Engineering Machines, etc.</p>

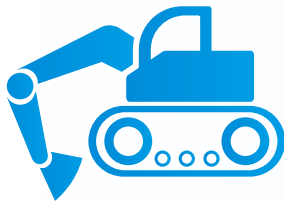


Applications



Farming Machine Automation

One platform supports two operating systems
 On-demand development
 Various sensitive communication interfaces
 Strong performance in most complex applications
 Enhanced display against water, dust and sunlight



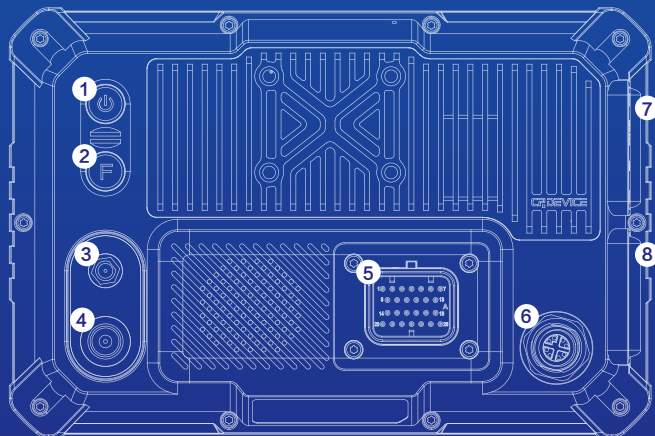
Engineering Machine Automation

CP-Comm high-speed bus architecture
 More precise positioning
 Multiple SKUs to match your business
 High-temperature tolerant, salt mist resistant and shock-proof



HMI

One Platform supports two operating systems
 On-demand development
 Diverse interfaces for easier application
 Sensitive and stable communication



- 1 ON/OFF Button
- 2 Customizable Button
- 3 Reserved 4G/5G External Antenna Interface
- 4 GNSS Antenna Interface
- 5 CAN *3 (CAN 2.0B *2, CAN FD *1)
 Up to RS232 *3
 RS485 *1
 ADC_IN *2
 DC_OUPUT *2
 IO_INPUT *2
 Up to AHD Camera *4
- 6 Gigabit Ethernet
- 7 External SIM Card Sink *1
- 8 USB 3.0 *1