CR DEVICE

APOLLO 7 GEN2

The Most Revolutionary Vehicle Mount Computer Ever Created

EXCELLENT 1 TOPS PERFORMANCE

SUPER FAST 5G CONNECTIVITY

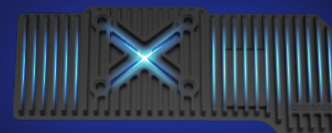| 1 TOPS | Dual Systems | 5G Comm-unication | CAN CAN FD | Ultra-Thin Bezel Anti-Glare Display | IP67 | Gigabit Ethernet | ADC |

CP DEVICE

INTUITIVE CONNECTIVITY 5G PIONEER

Seamless 4G/5G Wireless Connectivity
Exceptional Quality in Low-Signal Areas
Integrated Antenna & Gigabit Ethernet
SocketCAN Support

STUNNING ANTI-GLARE DISPLAY

7" Capacitive Multi-Touch Screen
Ultra-Bright 750+ Nits
Sleek Bezel-less Design
Crisp 1024x600p Resolution
Anti-Glare Display

UNRIVALLED CAPABILITIES

Quad-Core 64-bit Cortex-A55 CPU (2.0GHz)
ARM G52 2EE GPU
Advanced Graphics: OpenGL ES1.1/2.0/3.2,
OpenCL 2.0, Vulkan 1.1
High-Speed 2D Acceleration & 1 TOPS
Computing Power

FLEXIBLE CP-COMM ARCHITECTURE

Strong Performance, Superior Communication
Multiple-Platform Support: OS (Android/Linux), Soc (Rockchip, Allwinner, Qualcomm)
Component-Based Software Development
Simplified Expansion & Integration

Cutting-Edge Industrial Aesthetics
Slim 30+mm Profile
Efficient Heat Management with
18561.4mm2 Dissipation Area

ROBUST IP67 PROTECTION

Dustproof: Complete Dust Ingress Prevention
Water Resistant: Safeguarded Against Powerful
Water Jets & Waves

SLEEK & ULTRA-THIN DESIGN

* CP Cool Sink Cooling Technology

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Product Specs

System	Quad-Core Cortex-A55 CPU (2.0GHz) ARM G52 2EE GPU OpenGL ES1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1 Support High-Performance 2D Acceleration 1T Computing Power (0.8T NPU Support) Flexible OS & Storage Options: — Android 11.0 Support Linux Kernel 5.10 2GB RAM LPDDR4 (Up to 8GB) 16GB ROM EMMC (Up to 128GB)
Commu-nication & Sensor	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
Rugged Feature	IP65 Protection Level MIL-STD-810 Vibration Compliance ISO16750 Road Vehicle Standard Operating Temp: -30°C to +70°C, Operating Humidity: 0%-90% RH Storage Temp: -40°C to +85°C, Operating Humidity: 30%-95% RH Salt Spray Test: 48-Hour Endurance for Entire Device
Button	FUNCTION BUTTON x2 ON/OFF Button

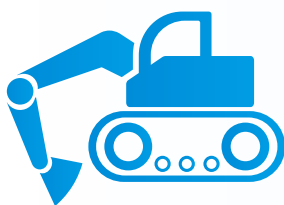|	
Display	7" 5-Point Capacitive Touch Screen Above 750 Nits Resolution: 1024*600P Anti-Glare Display
Power	5-36V DC Input ACC Ignition Detection Power Supply Voltage Detection Under and Over Voltage Protection Reverse Voltage Protection
I/O Interface	CAN *3（CAN *2, CAN FD *1） Up to RS232 *3 RS485 *1 ADC_IN Detection *2, Max. INPUT 12V DC_OUTPUT 12V *2 IO_INPUT *2 Up to AHD Camera *4
Connector	26PIN Connector *1 M12 X-Code Aviation Plug *1 SMA Female Connector *1 TNC Female Connector *1
Light Bar	LED Light Bar，LED Lights *16
Mechanical Spec	Dimensions (WxHxD): 200*134*32.52mm Weight: 0.685kg
Installation	Easy Installation with RAM or Similar Mounts for Vehicles, Farm Equipment & Machinery

Applications

FARMING MACHINE AUTOMATION

Dual Operating System Support on a Single Platform

Tailored Development to Suit Your Needs

Comprehensive, High-Sensitivity Communication Interfaces

Robust Performance Even in the Most Complex Applications

Display Engineered to Withstand Water, Dust, and Sunlight
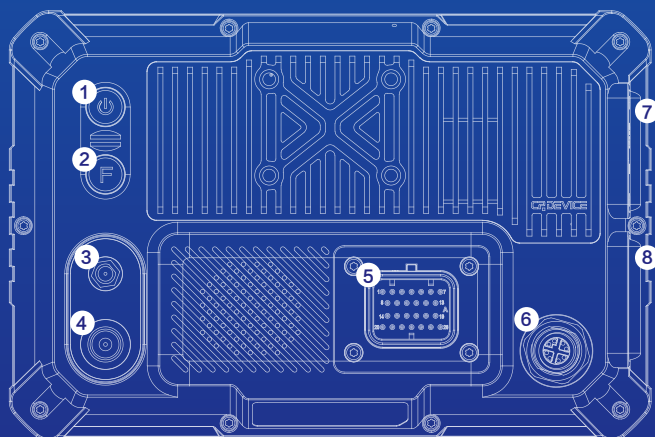
CONSTRUCTION MACHINE CONTROL

Software Development Made Easy CP-Comm Architecture

Precise Positioning for Enhanced Accuracy

Multiple SKUs to Align with Your Business Needs

Resilient Design, Tolerant to High Temperatures, Salt Mist, and Shocks

HUMAN MACHINE INTERACTION

A Single Platform Offering Dual Operating System Support

Customizable Development to Fit Your Requirements

Wide Range of Interfaces for Enhanced Applicability

Reliable and Sensitive Communication Capabilities

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 Slot *1

8. USB 3.0 *1

CP DEVICE

WWW.CPDEVICE.COM