

Titan 12 Gen2

The Most Revolutionary Vehicle Mount Computer Ever Created

EXCELLENT 1 TOPS PERFORMANCE

SUPER FAST 5G CONNECTIVITY



1T Computing Power



Dual Systems



5G Communication



CAN
CAN FD



Ultra-Thin Bezel
Anti-Glare Display



IP67



Gigabit
Ethernet



ADC

STUNNING ANTI-GLARE DISPLAY

12" Capacitive Multi-Touch Screen
 Ultra-Bright 750+ Nits
 Sleek Bezel-less Design
 Crisp 1280x800P Resolution
 Anti-Glare Display

FLEXIBLE COMM ARCHITECTURE

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

ROBUST IP67 PROTECTION

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

INTUITIVE CONNECTIVITY 5G PIONEER

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

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

SLEEK & ULTRA-THIN DESIGN

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



* Cool Sink Cooling Technology

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Product Specs

<p>System</p>	<p>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, Qt 5.15.7 Support 2GB RAM LPDDR4 (Up to 8GB) 16GB ROM EMMC (Up to 256GB)</p>	<p>Display</p>	<p>12" 5-Point Capacitive Touch Screen Above 750 Nits Resolution: 1280*800P Anti-Glare Display</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>IP67 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</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>FUNCTION BUTTON x2 ON/OFF Button</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 (Optional)</p>
		<p>Mechanical Spec</p>	<p>Dimensions (WxHxD): 317.8*219.6*34.5mm Weight: 1.75kg</p>
		<p>Installation</p>	<p>Easy Installation with RAM or Similar Mounts for Vehicles, Farm Equipment & Machinery</p>

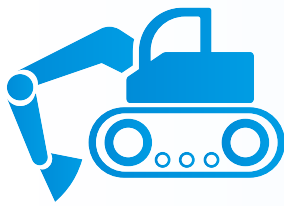


Applications



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



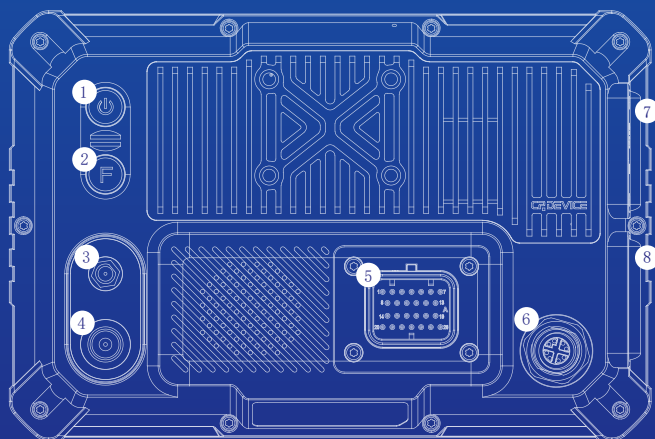
CONSTRUCTION MACHINE CONTROL

- Software Development Made Easy 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

