从平技术有限公司

CP DEVICE

MEGA1

THE PINNACLE OF HIGH-PERFORMANCE
RUGGED VEHICLE MOUNT COMPUTER BY CPDEVICE

6T

CPDEVICE DMS

CPDEVICE AVM

5G

V1.0

CP DEVICE

9:41 AM

Map

188m
Ahead Turn right

Music

110

iPhone

City of sky
Joe Hisaishi

01:30   03:16

24° Cloudy Beijing
09:41 AM   August 4, 2019

Voice

Surplus1.4km 6min
Estimated 12:30
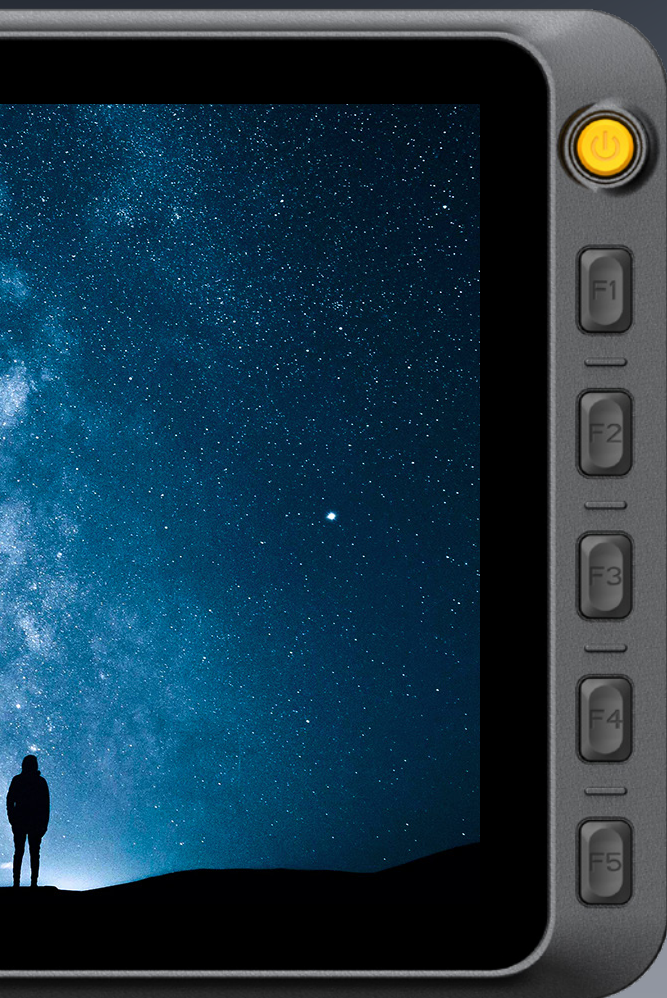
Hello~
Welcome to OS

HI   LO

PM 2.5

100%

Custom-Designed Interface

· (5) Fully programmable function keys
· Dedicated recessed power button
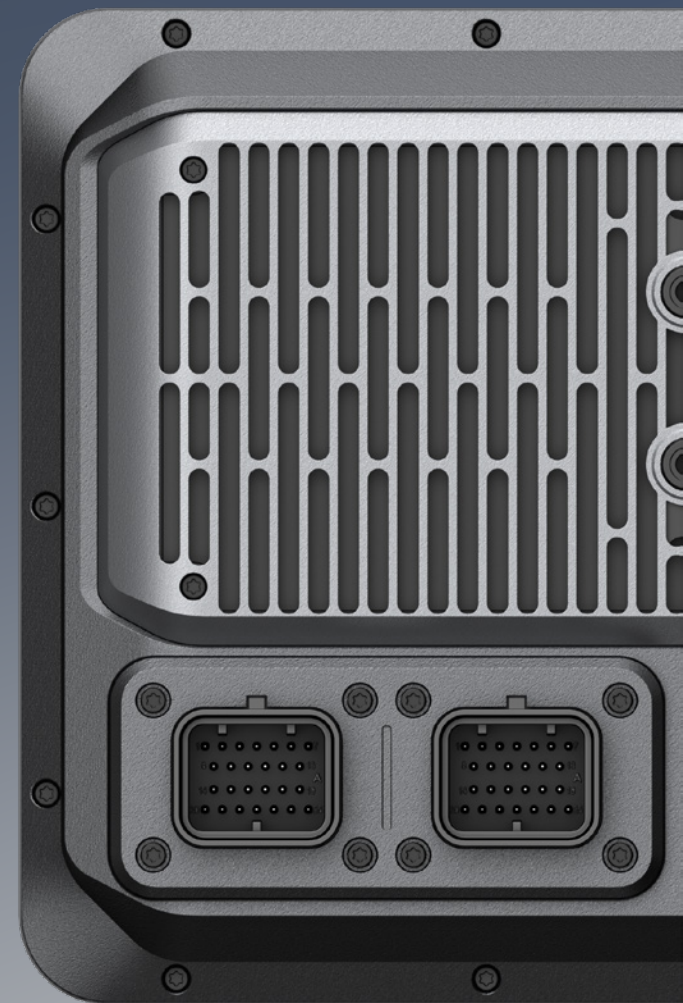· A-side layout for gloved operation

High-Performance SoC

· CPU: 8-core 64-bit architecture
· GPU: Supports OpenGL ES 1.1/2.0/3.2, OpenCL 2.2, Vulkan 1.2, Integrated high-performance, 2D acceleration hardware
· NPU: 6 TOPS computing power
· OS: Android 14.0 | Linux 6.1
· 8-channel camera support for:
CP AVM (Around View Monitoring)
CP DMS (Driver Monitoring System)
CP FCW (Forward Collision Warning)

Breakthrough in Omni-Communication Modes

· Cellular: 4G/5G mobile connectivity
· WiFi 6: Ultra-long range with high-speed transmission
· V2V Communication
· Handheld intercom functionality
· Dual Ethernet:
Automotive-grade Gigabit Ethernet
Legacy 100Mbps industrial Ethernet
· Industrial Interfaces:
CAN Bus
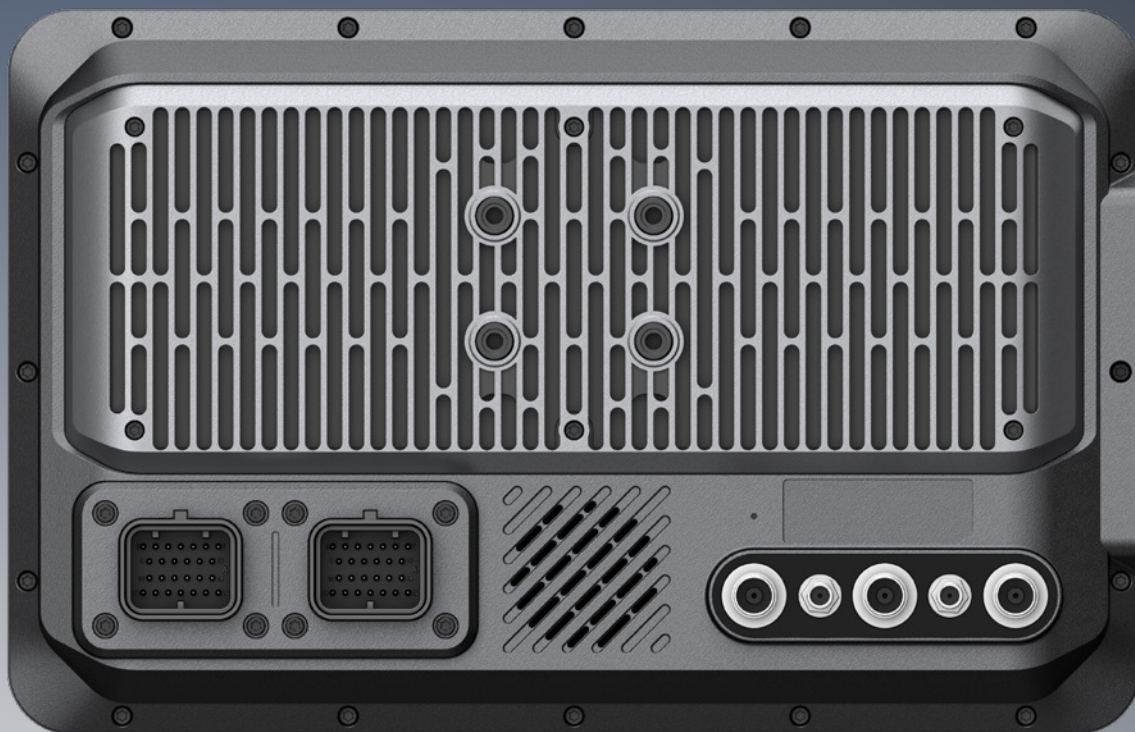Serial ports (RS232/RS485)
Bluetooth 5.3

MEGA1

HIGH-PERFORMANCE

PINNACLE

PRODUCT SPECIFICATIONS

System	**Soc** CPU Octa-Core, 64 bits GPU supports OpenGL ES1.1/2.0/3.2, OpenCL 2.2, Vulkan 1.2, Built-in high-performance 2D acceleration hw NPU 6T computing power **Memory** 8GB RAM, Up to 8GB 32GB ROM, Up to 128GB Supports external storage via TF card slot **OS** Android 14.0 Linux 6.1
Communi-cation & Interface	**Wireless Communication** LTE 4G/5G Communication Module WiFi 2.4G&5.8G Bluetooth 5.3 V2V Near-Field Communication **Wired Communication & Interface** CAN *2 RS232 *2 RS485 *1 DC_OUPUT 12V *2 IO_INPUT *2 ADC_IN Voltage Detection *2 USB 2.0 *1 10/100BASE-TX Ethernet*1 (upgradable to Gigabit) Automotive Gigabit Ethernet *1 Push-to-Talk Handmic (Optional) **High-Precision Positioning Service (Optional)** GNSS（supports GPS / BDS / GLONASS, GNSS board options: Meter/ Sub-meter/ Centimeter grade)
Button	5 Function Buttons + ON/OFF Button

Display	10.1" 5-Point Capacitive Multi-touch Screen 1280*800Px, Above 750 Nits Anti-Glare Display under Strong Sunlight Supports light sensor
AV & Sensor	720p *8/1080p *8 AHD Camera Supports CP AVM 360 Surround View System Supports CP DMS Supports Mic input Build-In Speaker Supports external audio source output
Power	5-36V DC Input ACC Ignition Detection Power Supply Voltage Detection Reverse Voltage Protection Supports delayed power-off backup power, power failure detection, and power failure protection
Rugged Feature	Protection Level: IP65 Vibration: MIL-STD-810 Road Vehicle Standard: ISO16750 Operation Temperature: -30℃ ~ +70℃ Operation Humidity: 0% ~ 90%RH Storage Temperature: -40℃~ +85℃ Salt Spray: 48 Hours of Salt Spray Test
Connector	26PIN Connector *2 SMA Female Connector *1 TNC Female Connector *1 USB Type-A Connector *1
Mechanical Spec	Dimension (W*H*D): 270.9 * 173.5 * 33.2 mm Weight: 1.3 kg

Precision Agriculture

Construction machine

Smart Transportation

Smart Mining

Industrial Control

Warehouse

Bridge Monitoring

Smart Port

Medicine Production