CFDEVICE



RUGGED VEHICLE MOUNT COMPUTER

VCM M10

Flagship 10.1" rugged tablet with 6 TOPS NPU, 8 AHD cameras, AVM 360° and DMS

10.1" 1280×800	**6 TOPS NPU**
Android 14 / Linux 6.1	**4G / 5G**
8× AHD	**IP65**
5–36V	

KEY FEATURES

- Octa-core 64-bit SoC with 6 TOPS NPU for on-device AI
- 8-channel AHD camera input for AVM 360°, DMS and FCW
- Dual Ethernet: automotive Gigabit + 100 Mbps industrial
- 4G/5G, Wi-Fi 2.4/5.8 GHz, Bluetooth 5.3 and V2V communication
- 5 programmable function keys and a recessed power key for gloved operation
- Delayed power-off backup power with power-failure protection

VCM M10 Specifications

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System

CPU	Octa-core, 64-bit
GPU	OpenGL ES 1.1/2.0/3.2, OpenCL 2.2, Vulkan 1.2; 2D acceleration
NPU	6 TOPS
Memory	8GB RAM
Storage	32GB ROM (up to 128GB), TF card
OS	Android 14.0 / Linux 6.1

Display

Screen	10.1" 5-point capacitive touch
Resolution	1280×800, >750 nits
Features	Anti-glare under strong sunlight, light sensor

Communication

Cellular	4G / 5G
Wi-Fi	2.4 GHz & 5.8 GHz
Bluetooth	5.3
Other	V2V near-field communication; push-to-talk hand mic (optional)
GNSS	GPS / BDS / GLONASS; meter, sub-meter or cm-level board (optional)

Interfaces

CAN	CAN×2
Serial	RS232×2, RS485×1
I/O	12V DC output×2, IO input×2, ADC voltage detection×2
USB	USB 2.0×1
Ethernet	10/100BASE-TX×1 (Gigabit upgradable) + automotive Gigabit×1
Camera	AHD 720p×8 / 1080p×8

Audio

Audio	Mic input, built-in speaker, external audio output

Power

Input	5–36V DC
Management	ACC ignition detection, supply-voltage detection, reverse-voltage protection, delayed power-off backup power

Rugged

Protection	IP65
Vibration / shock	MIL-STD-810
Road vehicle standard	ISO 16750
Operating temperature	-30°C to +70°C
Storage temperature	-40°C to +85°C
Humidity	0–90% RH
Salt spray	48 hours

Mechanical

Dimensions (W×H×D)	270.9 × 173.5 × 33.2 mm
Weight	1.3 kg
Buttons	5 function keys + power key
Connectors	26PIN×2, SMA×1, TNC×1, USB Type-A×1

SOFTWARE ISOBUS VT: Supported · AVM 360°: Supported · DMS: Supported · MDM: Compatible

APPLICATIONS Precision Agriculture · Construction Machinery · Smart Transportation · Smart Mining · Industrial Control · Warehouse · Bridge Monitoring · Smart Port · Medicine Production