CFDEVICE



RUGGED VEHICLE MOUNT COMPUTER

VCM V7-2

Compact 7" high-performance tablet with 5G, CAN FD and Gigabit Ethernet

- **7" 1024×600**
- **1 TOPS (0.8T NPU)**
- **Android 11 / Linux 5.10**
- **4G / 5G**
- **CAN×3 (incl. CAN FD)**
- **IP65 (IP67 opt.)**
- **5–36V**

KEY FEATURES

- Seamless 4G/5G with integrated antenna
- CAN×3 (CAN 2.0B×2 + CAN FD×1) with SocketCAN support
- Gigabit Ethernet and USB 3.0
- Slim 30+ mm profile with efficient heat management
- Anti-glare 750+ nit display
- 16-LED light bar; external SIM slot

VCM V7-2 Specifications

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System

CPU	Quad-core 64-bit Cortex-A55, 2.0 GHz
GPU	ARM G52 2EE; OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1
NPU	1 TOPS (0.8T NPU)
Memory	2GB LPDDR4 (up to 8GB)
Storage	16GB eMMC (up to 256GB)
OS	Android 11.0 / Linux kernel 5.10, Qt 5.15.7

Display

Screen	7" 5-point capacitive touch
Resolution	1024×600, >750 nits
Features	Anti-glare, slim bezel

Communication

Cellular	4G / 5G
Wi-Fi	802.11 b/g/n, 2.4 GHz
Bluetooth	4.2
GNSS	MXT906B / UM980 / P20E (optional)

Interfaces

CAN	CAN×3 (CAN 2.0B×2 + CAN FD×1)
Serial	RS232 up to ×3, RS485×1
I/O	ADC input×2 (max 12V), 12V DC output×2, IO input×2
USB	USB 3.0×1
Ethernet	Gigabit×1
Camera	AHD up to ×4

Audio & sensors

Audio	Mic×1, built-in speaker×1, external speakers
Sensor	G-sensor×1

Power

Input	5–36V DC
Management	ACC ignition detection, supply-voltage detection, under/over-voltage and reverse-voltage protection

Rugged

Protection	IP65 (IP67 optional)
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 (operating), 30–95% RH (storage)
Salt spray	48 hours, whole device

Mechanical

Dimensions (W×H×D)	200 × 134 × 32.52 mm
Weight	0.685 kg
Buttons	2 function keys + power key
Connectors	26PIN×1, M12 X-Code×1, SMA×1, TNC×1, external SIM slot
Light bar	16 LEDs

SOFTWARE ISOBUS VT: Supported · AVM 360°: Contact CF-Device · DMS: Contact CF-Device · MDM: Compatible

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