

# V600

## Android Vehicle Computer



Chainway V600 is a vehicle computer with reliable performance. Featuring 4G LTE, stable Wi-Fi, ultrafast quad-core processor, GPS & BDS, multi-channel external camera, 5MP autofocus camera, fingerprint, barcode scanning and face recognition, OBD data collection, Bluetooth 4.0 as well as biometrics, supporting calls, SMS, voice and recording functions, it can fully realise the overall management of driving school vehicles, school buses, taxis, buses, trucks, etc., effectively ensuring traffic safety.



# V600 Specifications

Physical Characteristics	
Dimensions	188mm x 115mm x 29mm
Weight	700gr
Display	5.5" 720P TFT-LCD capacitive touch panel, 16.7M colors, adjustable backlight brightness
Touch Panel	Capacity Touch Panel
Power	Main battery: Li-ion, rechargeable, 8000mAh
Expansion Slot	1 SIM, 1 TF, 1 SD, 1 HF slot
Interfaces	Micro USB, USB type A, OTG
Audio	Speaker, microphone; supporting voice calls
Keypad	8 function keys
Sensors	Gravity sensor, gyroscope

Performance	
CPU	CPU: Qualcomm MSM8953 1.3 GHz quad-core
RAM+ROM	2GB+16GB
Expansion	Supports a total of 64GB by SD and TF cards

Developing Environment	
Operating System	Android 5.1
SDK	Chainway Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

User Environment	
Operating Temp.	-20°C to 50°C
Storage Temp.	-40°C to 70°C
Humidity	5%RH - 95%RH non condensing
Power Supply	9V-60Vdc
ESD	±8KV air discharge, ±4KV conductive discharge

Camera	
Front Camera	5MP Autofocus with flash

External Camera (Optional)	
Resolution	320 x 240, 640 x 480, 1280 x 720
FPS	YUY2: 720p/15fps, VGA/30fps, CIF/30fps
MJPEG	720p/30fps, VGA/60fps, CIF/60fps



Metal Bracket



GPRS and GPS External Antenna



Wire Harness



OBD Module (Optional)



External Camera (Optional)

Communication	
WLAN	IEEE802.11 b/g/n
WWAN(Europe)	2G: 900/1800MHz 3G: WCDMA B1, B8 4G: FDD LTE B1, B3, B7, B8, B20
WWAN(America)	2G: 900/1800MHz 3G: WCDMA B2, B5 4G: B2, B4, B5, B26, B41
Bluetooth	Bluetooth 4.0
GNSS	GPS, A-GPS, BeiDou (optional)

RFID (Optional)	
HF	
Frequency	13.56Mhz
Protocol	ISO14443A/B, 15693
Chips	MF1 card (S50/S70), MF0 (Ultra light), MF3 (Desfire D40/D41/D81), CPU_A card CPU_B card Others for customisation

Fingerprint (Optional)	
Option 1	
Sensor	TCS1/TCS2 Capacitive
Sensing Area (mm)	12,8*19 / 10,4*14,4
Resolution (dpi)	508dpi 8-bit greylevel
Certification	FIPS 201, STQC
Format Extraction	ISO19794, WSQ, ANSI 378, JPEG 2000
Fake Finger Detection	Support by SDK
Security	AES, DES Key encryption of the host communication channel

Barcode scanning (Optional)	
*Barcode scanning is alternative to fingerprint recognition.	

OBD (Optional=)	
Protocol	OBDDII, ISO9141-2, ISO14230(KWP) ISO15765(CANBUS)

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Chainway is a leading manufacturer of rugged mobile computers and fixed data terminals in China. Founded in 2005, it headquarters in Shenzhen. For the past decade, Chainway has delivered data collection devices, including handheld RFID reader, fingerprint reader, barcode scanner and etc, to thousands of customers around the globe. We work with a worldwide network of distributors, system integrators and software developers to offer complete and professional data collection solutions to customers from a variety of areas.