CHAINWAY ®

V600

Vehicle-mounted Computer

Chainway V600 is a fixed vehicle computer with superior and reliable performance. Featuring 4G LTE network, 2.4G & 5G dual-band Wi-Fi, ultrafast quad-core processor, GPS & BDS, two-channel external camera, 5MP autofocus camera, fingerprint and face recognition, OBD data collection, Bluetooth 4.0 as well as biometrics, supporting calls, SMS, voice and recording functions, it can fully realize the overall management of driving school vehicles, school buses, taxis, buses, trucks, etc., effectively ensuring traffic safety.

Powerful Application Performance
This device features powerful quad-core processor, secure and fluent Android 5.1 operating system, together with 1GB/2GB of RAM, 8GB/16GB build-in flash storage, plus a SD card slot that can add up to 64GB of memory.

Extensive Data Capture Functions
V600 can collect, identify and verify the fingerprints, IC cards and even faces of drivers and passengers. These options facilitate safe personnel information collection and management for driving school vehicles, school buses, public transportation and logistics transportation.

Accurate GPS & BDS
V600 can get real-time information like vehicle location, speed, direction and route. It raises an audible alarm if the vehicles veer out of the predetermined route. It also supports to ask for help by SMS or call if there is an emergency.

OBD Data Collection Function
V600 can accurately record the speed and fuel consumption, and raise real-time alarm. It helps analyze driving behaviors and give pertinent suggestions, saving traffic overheads. Professional vehicle fault diagnosis is realized to ensure road safety and prolong life span.

Fast Wireless Connectivity
Whether indoors or outdoors, V600 provides enterprises with anywhere, anytime real-time connectivity by Bluetooth, fast 4G LTE network and 2.4G & 5G Wi-Fi.

Two-channel Camera
Configured with two-channel external camera, V600 can take photos and videos simultaneously. The high-definition 5.5 inch capacitive touch panel enables you to adjust backlight brightness. Non-volatile memory ensures information storage under conditions of power off or network off.

About Chainway

As a leading "Internet of Things" company in China, Shenzhen Chainway Information Technology Co., Ltd is a professional provider of products and solutions of RFID and barcode technology. Founded in 2005, Chainway, a high-tech enterprise, has won several times the title of the Best Provider of RFID Readers. Thousands of clients from over 100 countries have experienced our products in retail, logistics, transportation, healthcare, finance, security and manufacturing, etc. Through our nationwide offices, overseas subsidiary and an extensive partner network, we aim to provide high quality service to our clients.

Physical Characteristics

Dimension	188mm x 115mm x 29mm / 7.40 x 4.53 x 1.14in
Display	5.5″ 720P TFT-LCD capacitive touch panel, 16.7M colors, adjustable backlight brightness
Expansion Slot	1 SIM, 1 TF, 1 SD, 1 HF slot
Interface	Micro USB, USB type A, OTG, earphone
Input Mode	Touch input
Audio	Speaker, microphone; supporting voice calls
Keypad	8 function keys
Sensor	Gravity sensor, gyroscope

Performance

Option 1	**CPU:**	Cortex-A7 1.3 GHz quad-core
	RAM:	2GB
	ROM:	16GB
Option 2	**CPU:**	Cortex-A7 1 GHz quad-core
	RAM:	1GB
	ROM:	8GB
Expansion	Supports a total of 64GB by SD and TF cards	

User Environment

Input Voltage	9V~60V
Operating Temp.	14°F to 122°F / -10°C to 50°C
Storage Temp.	-40°F to 158°F / -40°C to 70°C
Humidity	5%RH - 95%RH non condensing
ESD	8KV air discharge,4KV conductive discharge

Developing Environment

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

Data Collection

Front Camera (optional)

GC 5MP autofocus camera

External Camera (optional)

Two-channel (with infrared lamp), taking photos and videos simultaneously

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

RFID(optional)

HF	NXP
Frequency	13.56MHz
Protocol	ISO14443A/B
Chips	1) MF1 card (S50/S70), MF0 (Ultra light), MF3 (Desfire D40/D41/D81), CPU_A card 2) CPU_B card 3) Others for customization

Biometric(optional)

Sensor	TCS2SS
Size	256 x 288
Resolution	508DPI
Memory	1,000 PCS fingerprints
OBD	OBDII, ISO9141-2, ISO14230(KWP), ISO15765(CANBUS)

Communication

WLAN	IEEE802.11a/b/g/n
WWAN(E)	**2G:** GPRS(900/1800MHz) **3G:** WCDMA B1 B8 **4G:** FDD-LTE: B1 B3 B7 B8 B20
WWAN(N)	**2G:** GPRS(850/1900MHz) **3G:** WCDMA B1 B2 B5 **4G:** FDD-LTE: B2 B4 B7 B17
WWAN(C)	**2G:** GPRS(850/900/1800/1800MHz) **3G:** WCDMA : B1 CDMA EVDD: EVDD Rev.A800MHz D-SCDMA: B34, B39 **4G:** TDD-LTE: B38/B39/B40/B41 FDD-LTE: B1/B3
Bluetooth	Bluetooth 4.0
GPS	GPS, A-GPS, BeiDou navigation satellite system (optional)

Accessories

USB Cable

Cradle

4G
GPS external antenna

Wire Harness

OBD module (optional)

External camera (optional)