

CHAINWAY



V600S

Vehicle Computer



Chainway V600S is a newly-developed Android vehicle computer based on Quad-core processor. Configured with front and rear cameras, HF RFID reader and OBD data collection, it can fully realize the overall management of school buses, transit buses, touring coaches, freight trucks, taxis, etc., effectively ensuring traffic safety.



Specification

Physical Characteristics

Dimension	191mm x 85mm x 52mm / 7.52 x 3.35 x 2.05in
Display	5.5" 720P TFT-LCD capacitive touch panel, 16.7M colors, adjustable backlight brightness
Expansion Slot	1 SIM, 1 TF slot
Interface	Micro USB, 2 IO ports reserved, use for low volt. testing and ACC testing
Input Mode	Touch input
Audio	Speaker, microphone; supports voice calls
Keypad	1 power key, 1 reset key
Sensor	Gravity sensor

Performance

Option 1	CPU: Qualcomm 1.3 GHz quad-core RAM+ROM: 2GB + 16GB
Option 2	CPU: Qualcomm 1.3 GHz quad-core RAM+ROM: 1GB + 8GB
Expansion	TF card, supports up to 32GB

User Environment

Input Voltage	9V-36V, supports 3-4 seconds power-off time delay
Operating Temp.	-4°F to 122°F / -20°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

Communication

WLAN	IEEE802.11 b/g/n
WWAN(Europe)	2G: GPRS (900/1800MHz)
	3G: WCDMA B1/B8
	4G: FDD-LTE: B1/B3/B7/B8/B20
WWAN(America)	2G: GPRS (850/1900MHz)
	3G: WCDMA B2/B5
	4G: FDD-LTE: B2/B4/B5/B7/B17

WWAN(China)	2G: GPRS (850/900/1800/1800MHz)
	3G: WCDMA : B1 CDMA EVDD: EVDD Rev.A800MHz
	TD-SCDMA: B34/B39
	4G: TDD-LTE: B38/B39/B40/B41
	FDD-LTE: B1/B3
Bluetooth	Bluetooth 4.0
GNSS	GPS, A-GPS, BeiDou (optional)

Data Collection

Front Camera

100W, angle-adjustable, supports infrared, backlight compensation and autobalance

Rear Camera (Optional)

800W, supports photos and videos

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

HF	NXP
Frequency	13.56MHz
Protocol	ISO14443A/B, 15693
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
R/W range	2cm-8cm

OBD (optional)

Protocol	OBDII, ISO9141-2, ISO14230(KWP), ISO15765(CANBUS)
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Accessories (See details in Accessory Guide)



OBD module
(optional)

Notice: Product specifications are subject to change without prior notice. / Model: V600S / Update Date: 2020-04-17

CHAINWAY[®]

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