

TECHNICAL DATA

Spec/Type	VG5820	VG5812	VG5808
CAN/CANFD	20-CH	12-CH	8-CH
LIN	12-CH	6-CH	4-CH
FlexRay (A+B)	1	1	1
ETH-T1	8	8	8
RJ45		1	
USB3.0		2	
WiFi	WiFi module expandable (supports AP/STATION)		
LTE	4G(default), 5G upgradeable		
GPS	Support		
Audio	1 *3.5mm, Two in one interface		
SSD	1TB		
Size	212 x 60 x 215 mm		
Typical power consumption	<36W (no external device)		
Operating voltage	8~36V DC		
Operating temperature	-40°C~ 80°C		
Storage temperature	-40°C~ 85°C		
Humidity	10%~90%, noncondensing		

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VG 5800 SERIES

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BUS LOGGER

- **Multiple data acquisition:** Support of CAN/CANFD, LIN, Ethernet, automotive Ethernet, FlexRay.
- **Multiple data protocol record:** Support of CAN/CANFD monitor, XCP on CAN/CANFD, CP on CAN, J1939, UDS, LIN, DoIP, FlexRay monitor.
- **Multiple database types configuration:** Supports the following file formats such as DBC, A2L, LDF, XML, ARXML, etc.
- **Multiple data storage types:** Support of DAT/MF4, BLF, Audio and video(MP4), Network PCAP.
- **Trigger Record:** Support of multi-button triggering, signal threshold triggering, multiple types of data subcontracting simultaneously, and record at specified time point.
- **Remote management:** Support of 4G, Real time remote localization, device management, data viewing, monitoring and analysis, measurement and calibration, etc.

FUNCTIONALITY

- **Multiple data acquisition**
CAN/CANFD, Baud rate : max. 8Mbps
LIN, Baud rate : max. 20Kbps
FlexRay, Baud rate : max. 10Mbps
Audio and video data acquisition, audio input and output, video resolution up to 1080p
Automotive Ethernet, Support of bypass/transparent mode configuration.
GPS module built-in, synchronously collect location data.
- **File tags and time formats:** Supports user-defined data file tags, and selecting time information format in multiple formats.
- **Trigger Record:** Support 6-channel push-button trigger and signal threshold trigger, multiple types of data at the same time sub-package, support recording before or after the time point.
- **Remote management:** Integration of WEB platform for remote management, remote device configuration, remote measurement, support for data uploading to cloud storage.



* 6-ch push-button trigger

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FUNCTIONALITY

Message Filtering Record:

- Support CAN/CANFD message ID filtering and recording.

Remote data transmission:

- Support remote data transfer to specified through 4G/WiFi.

Storage:

- Built-in SSD with storage space 500G/1TB
- Support for automatic filling loop coverage function.

Wake-up and sleep:

- The countdown time to enter sleep can be configured.
- Support sleep signal source setting: CAN/CANFD, LIN, 4G/WiFi transmission, Automotive Ethernet, Host PC connection.
- Support wake-up source setting: CAN/CANFD, LIN, I/O button, quickly start after wake-up.

USB copy:

- Support data file copy to USB device, support customized time period copy, real-time copy data.

Higher synchronization accuracy:

- Support NTP synchronization, PTP calibration time and PPS timing through external RTK.

More comprehensive data logging:

- Multiple channels and types of buses complete acquisition, 99% high load without frame loss.
- Multi-task recording mode, which can achieve independent recording of multiple tasks simultaneously.

APPLICATION SCENARIOS

Road acquisition|reliability test (high cold, platestau, high temperature)|durability test|new energy vehicle road test|bench calibration|vehicle remote diagnosis and refreshing