Cost performance that exceeds expectation

ViCSiM provides easy simulation and monitoring for everyone.
The simplest and most intuitive interface is now available for useful functionality.

ViCSiM, CAN & LIN Communication Simulator and Monitor

ViCSiM®
Vehicle Communication Simulator and Monitor

ViCSiM PA-S800

Simultaneous communication on 2x CAN and 2x LIN

A single application allows simultaneous simulation and monitoring of two CAN channels and two LIN channels.

Specialized for log playback simulation

The log playback simulation is performed by importing the log data from the CAN bus and the LIN bus.
Communication is processed by the hardware without any application,
providing the same performance as the original.
In addition to frame playback and transmission, sequential simulation that includes request/
response playback and loop playback can be performed.

Easy simulation without programming

ViCSiM®
Vehicle Communication Simulator and Monitor

ViCSiM allows not only simpler one-shot frame transmission, continuous transmission simulation and response simulation to specified frames, but also easy simulation of CAN/LIN communication with no programming required by combining sequential simulations through log simulation functions.

🌐 Log simulation function

Performs sequential transmission and reception of frames.
Runs like a source level debugger including execution by specifying the starting row, step execution, break point and loop execution.

·Frame transmission/reception simulation

Allows more sequential simulation by combining the Rx data for the frame reception checking under the specified condition and the Tx data for transmitting specified frames to the bus.
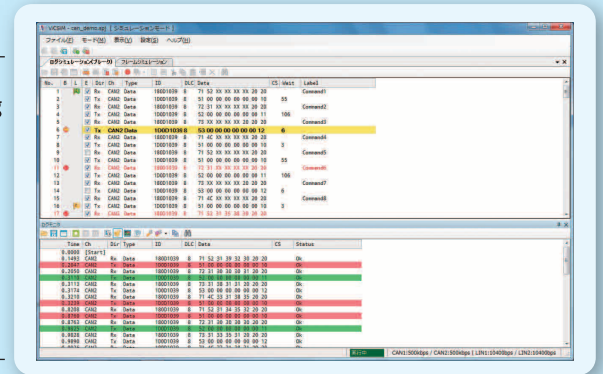
·Log playback simulation

Performs log playback simulation by importing pre-recorded log data, and playback of the only IDs you need by importing the specified ID selectively.

·Breakpoint

Pauses the execution at a specified position.

·Loop execution

Allows repetitive execution of the specified range.

Log simulation function

🌐 Frame transmission function

Transmits frames to the bus.

·One-shot or continuous frame transmission

Allows one-shot and continuous frame transmission of specified frames.
Perform interval transmissions that transmit at regular intervals and can be set to transmit a specified number of times during continuous transmission.

·LIN master simulation

For LIN, ViCSiM allows master simulation which the device performs header transmission as a master node.

🌐 Frame response function

Transmits response frames to specified request frames.

·Wait function

For CAN, you can set the waiting time before transmitting response frames after receiving specified request frames.

·LIN slave simulation

For LIN, you can perform a slave simulation which allows response transmission to a specified header as a slave node.
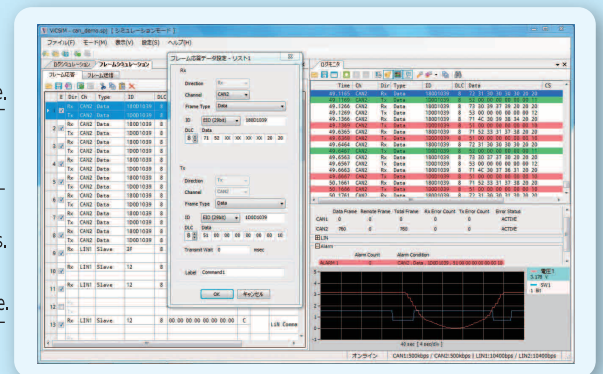
🌐 Log monitor

Allows monitoring of frames displayed on the bus for simultaneous monitoring of two CAN channels and two LIN channels.

·Graph display

Converts data on specified frames into physical values to plot on a graph.

·Alarm display

Highlights specified frames with color.

Frame response function, log monitor

We can customize ViCSiM according to your needs.

ViCSiM®
Vehicle Communication Simulator and Monitor
CUSTOM

We can customize ViCSiM according to your requirements and help you develop original tools including adding to existing applications and developing unique systems using the ViCSiM device itself.
Examples: A diagnostic tool, an ECU manufacture test tool, an ECU data writing tool.
We will provide solutions according to your needs, using our expertise acquired through our extensive experience with the development of in-vehicle communication devices. *A price quote will be provided separately.

Device Specifications

CAN	Channel	Two channels	Log simulator function	Maximum number of registered frames	100,000 frames
	Standard	CAN 2.0B	Frame transmission function	Maximum number of registered frames	50 frames
	Baud rate	Select from 5kbps to 1Mbps	Frame response function	Maximum number of registered frames	2 x 50 frames
	Terminator	Yes (can be switched on/off)	Log monitor	Maximum number of registered frames	1,000,000 frames
LIN	Channel	Two channels	Dimensions		120mm (W) x 95mm (D) x 40mm (H)
	Standard	LIN 1.3, 2.0, 2.1, 2.2 (communication layer only)	Weight		245 g (main body)
			Power supply		USB bus power
	Baud rate	Select from 2400/9600/10400/19200bps	Target I/F		Dsub15pin female
	Power supply	DC12V 100mA max. *Enter attached AC adapter from Vsup connector or DV12V (8-18V) from target I/F connector	Host I/F		USB 2.0 High Speed Type B
			Memory		32 MByte
			Temperature range		0-50 ℃ (no condensation)
	Pull-up	Yes (can be switched on/off)	OS		WindowsXP/Vista/7/8 32bit, Windows7/8 64bit

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P&A Technologies

P&A Technologies Inc.

16-13-1 Ogasawara Bldg. 2F
Nagai, Morioka, Iwate
020-0834 Japan
TEL: (+81)-(0)19-637-8330, FAX: (+81)-(0)19-613-8331
http://www.pa-tec.com/

Contact

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