



MINI HiL

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MINI HIL

DESKTOP HARDWARE-IN-THE-LOOP TEST SYSTEM

MINI HIL is mainly used in the closed-loop test of ECU, and the tested ECU can be fully verified and tested through hardware-in-the-loop equipment. It assists development engineers and test engineers to find software defects to the maximum extent. The MINI HIL platform launched by VCARSYSTEM can achieve various functions, such as controller measurement calibration and diagnosis, signal automatic correlation, hardware board resource configuration, model multi-level view, multi-task assignment, test of CAN / CANFD / LIN / Flexray bus communication, friendly custom GUI interface, oscilloscope display of signals, and so on.



PRODUCT INTRODUCTION

Real-time host, 4*Multi IO board, 2*VCI8_Pro board, 2*vehicle Ethernet board, 1*IO_HUB board, 1*programmable power supply, 2*Intel network card

Real-time Host

CPU	Intel 10 th Generation Core	Memory	DDR 4-2400/2666/2933 MHz, maximum 128GB
Storage	4* SATA3.0	ExpansionPort	1* PCIe 16xGEN3, 1* PCIe 8xGEN3, 3* PCIe 4xGEN3
USB	6* USB3.0, 7* USB2.0	Power Supply Voltage	DC 12V
Operating Temp	0 ~ 60°C	Storage Temp	-20°C ~ 75°C
Size	455*330*144(mm)	Operating System	Linux

Multi IO board * 4

Analog input	32-Channel	Digital input	16-Channel
Analog output	16-Channel	Digital Output	16-Channel
Relay output	4-Channel	Current Output	4-Channel

VCI 8 Pro board * 2

CAN/CANFD	16-Channel	LIN	16-Channel
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Vehicle Ethernet board * 2

On-board Ethernet T1(100M/1000Mbps)	8-Channel
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MINI HIL

PRODUCT INTRODUCTION

IO_HUB Board Card

PCIe	1-Channel	RJ45 (1000M)	8-Channel
USB 3.0	1-Channel	Optical Fiber	2-Channel

MINI HIL Application

Software Function Test | CAN/LIN Network Test | Open Loop Function Test | OBD Fault Test | Durability Test Bench

Lightweight hardware-in-the-loop | Hardware Test

APPEARANCE



SIZE

