

Description

This is an expandable and flexibly configurable test bench, meeting 1000 IO configurations, simulating various vehicle circuit interfaces, fully supporting home office, and meeting the needs of remote debugging software.



Connectivity

- The device is connected to a cloud server via WIFI network
- It supports online control bench through computer

Application

- Body domain controller development
- Zonal controller development
- Door module development
- Power lift gate development
- Seat electronics development

Features

- Can simulate most IO of vehicle
- Can simulate vehicle network
- Support remote power on and off
- Support software debug based on customized test sequence and monitor
- Support flexible expand IO
- Support sleep current measurement
- Support over voltage and under voltage
- Support load current change
- Size: 240mm*100mm*30mm

Parameter

Parameter	Conditions	Min	Typ	Max	Unit
Digital Input				32	Ch
PWM Input	Max 2KHz, 1% resolution			32	Ch
Analog Resistor	From 1K to 100K, 256 position			16	Ch
Analog Voltage	From 0V to 5V			8	Ch
Hall Signal	Voltage type			4	Ch
Hall Signal	Current type			4	Ch
High Side Load	Resistor, 1K ohm; Note1			32	Ch
Low Side Load	Resistor, 1K ohm; Note1			32	Ch
H Bridge Load	Resistor, 1K ohm; Note1			16	Ch
100M base T1 ETH	Note1			5	Ch
1G base T1 ETH	Note1			2	Ch
CAN/CANFD	Note1			20	Ch
LIN	Note1			20	Ch
Ambient Temperature		-40	25	85	°C

Note1: Load current change and network is only available in H variant

Order Code

Variant	Order Code	Description
B	M00007-001	Basic version
H	M00009-001, M00010-001	High version with network and load current change

Release History

Release Date	Description
2024-12-22	Initial release