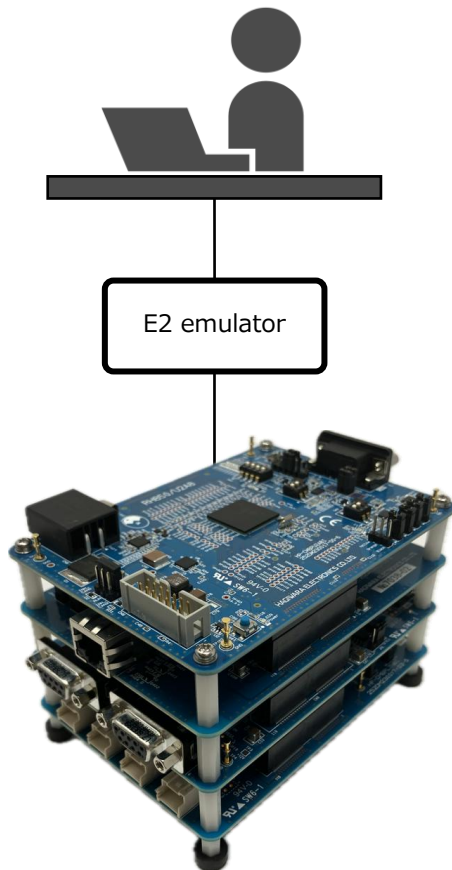


# RH850 Combination Evaluation Board

~ Expand by stacking the functions you need,  
the optimal compact board ~



E2 emulator

External size  
W : 124mm  
D : 88mm  
H : 110mm

## Microcomputer Board

Category	Function
MCU	RH850/U2A8 292pin
Communication	CAN FD (Partial-networking CAN Tr) x2
Debug	UART x1, JTAG x1, LED x8, DIPSW 4bit
Power	DC +12V or USB Type-C(USB PD)



## Ethernet Board

Category	Function
Communication	10BASE-T/100BASE-TX x1 TC10 100/1000BASE-T1+MACsec x1



## CAN FD Board

Category	Function
Communication	CAN FD x8



## LIN Board

Category	Function
Communication	LIN x8



Expand  
additional  
features

For more information, please  
contact our sales department  
or the email address below.

We also develop  
custom boards and custom cases.

## Contact Us

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E-mail : [support\\_heaptech@hagiwara.co.jp](mailto:support_heaptech@hagiwara.co.jp)

*HAGIWARA Board*

## Features of Evaluation Board

### Features of Microcomputer Board

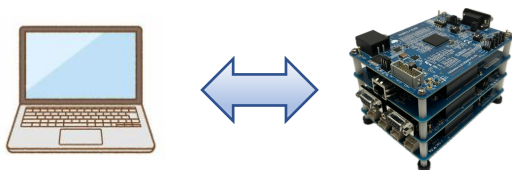
- ✓ Simple HW configuration consisting of RH850 microcomputer and CAN FD (2ch)
- ✓ Selectable input power sources: DC 12V or USB-C
- ✓ External oscillator of RH850 microcomputer can be freely changed
- ✓ JTAG and USB-UART debugging is available
- ✓ Low power consumption control because of CAN Tr with partial networking functionality
- ✓ CAN bus fault injection (Forced Recessive) is possible by jumper setting
- ✓ Installation of through-hole points for all control signals (to monitor with an oscilloscope)
- ✓ All control signals are placed on the bottom connector, allowing free use

### Features of Expansion Board

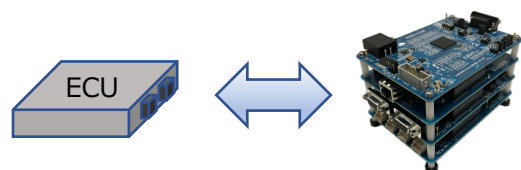
- ✓ Microcomputer pin assignment is selected by jumper setting
- ✓ Fault injection of communication functions is possible by jumper setting  
CAN FD: Forced recessive

## Use Case

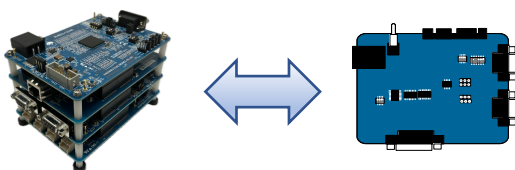
1. Checking the operation of your software



2. The opposing equipment for ECU evaluation



3. Early realization of Proof of Concept  
(This evaluation board + Function enhancement)



4. Evaluation of newly adopted devices  
(This evaluation board + New devices)

