

TS-R-IN32M3-CL-E Evaluation Kit

(CC-Link IE Field-ready)

This kit is an evaluation platform for software and system development of Renesas Electronics' industrial Ethernet communication LSI (R-IN32M3-CL) supporting CC-Link IE Field.



Features

- Supports multiple protocols, such as CC-Link IE Field (protocols : CC-Link IE, EtherNet/IP, PROFINet, etc.)
- Evaluation of various interfaces is possible. (Ethernet, CAN, I2C, UART(USB), etc.)

Specifications

List item	Spec
Product Name	TS-R-IN32M3-CL-E
On-Board LSI	Renesas Electronics System LSI R-IN32M3-CL Note 1 - ARM Cortex™-M3, 32-bit RISC CPU with HW-RTOS (Hardware RTOS) - Operating frequency: 100MHz - RAM: 1.3M-byte large-capacity - 10BASE-T/100BASE-TX/1000Base-T EtherMAC
Embedded memory	Flash memory (Serial): 64M bitsl Flash memory (Parallel): 8M × 16bit
Interface	UART(USB), I2C, CAN, RJ45(CC-Link IE/Ethernet) External PHY Extension connector, CC-Link(Master/Slave) Note 2
Debug interface	20-pin half-pitch connector (trace supported)
Supported emulators	IAR Systems:I-jet/JTAGjet Yokogawa Digital Computer: adviceLUNA
Power supply	AC adapter: 5.0V ± 5% 2A or more (Center plus) Note 3
Operating ambient temperature	0 to +70°C
Dimensions	W145mm × D95mm
Accessories	USB cable : 1

Obtainable from the Renesas Electronics website:

- R-IN32M3-CL related documents, sample software, and application notes

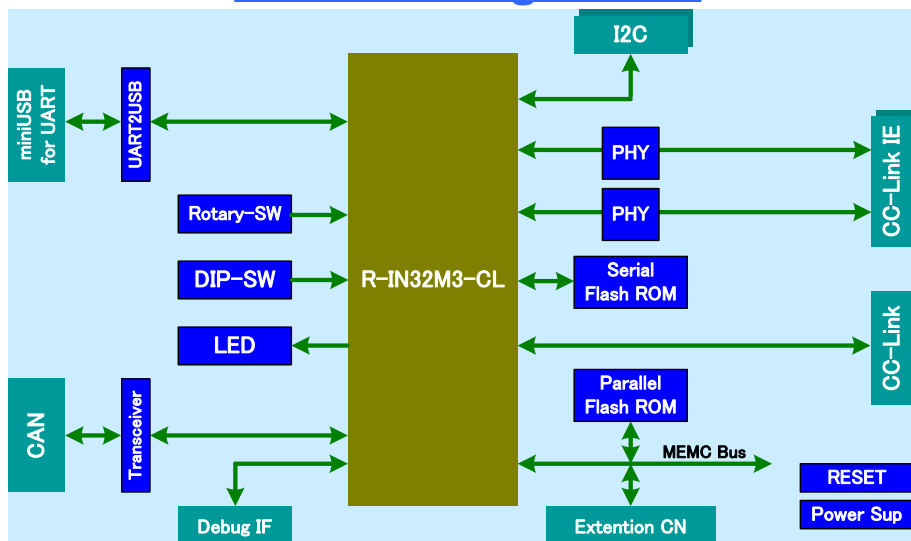
Note 1. For more details on the R-IN32M3-CL LSI, refer to the related documents available from Renesas Electronics.

Note 2. The circuit for CC-Link/CC-Link IE of this board is conformance certification acquisition finished.

CC-Link supports only a slave(Remote Device station).

Note 3. AC adapter is not included. Please purchase separately.

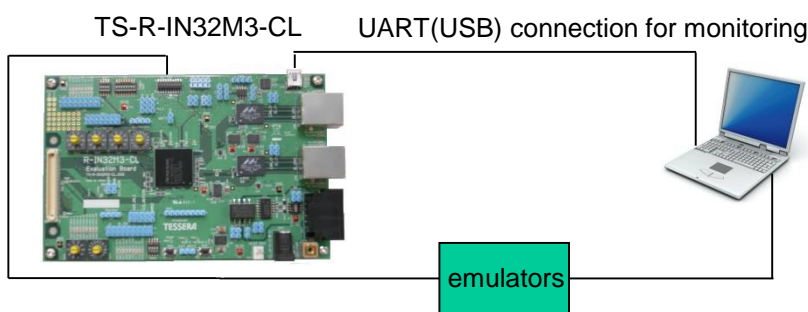
Board Configuration



Development Environment

To start developing your application software, first download sample software from the Renesas website and run the code with the emulator and PC.

Manufacture	Compiler	Debugger	emulators
IAR Systems	EWARM	EWARM	I-jet JTAGjet-Trace-CM
Yokogawa Digital Computer	ARM original RVDS4.1	microVIEW-PLUS	adviceLUNA AP510(Non trace) AP511(trace) A translation adapter is required.(AQ735)
	GNU		



○When developing application software with this kit, please confer with your local Renesas contact.

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