

RZ/T2L Safety Network Reference Kit System Configuration

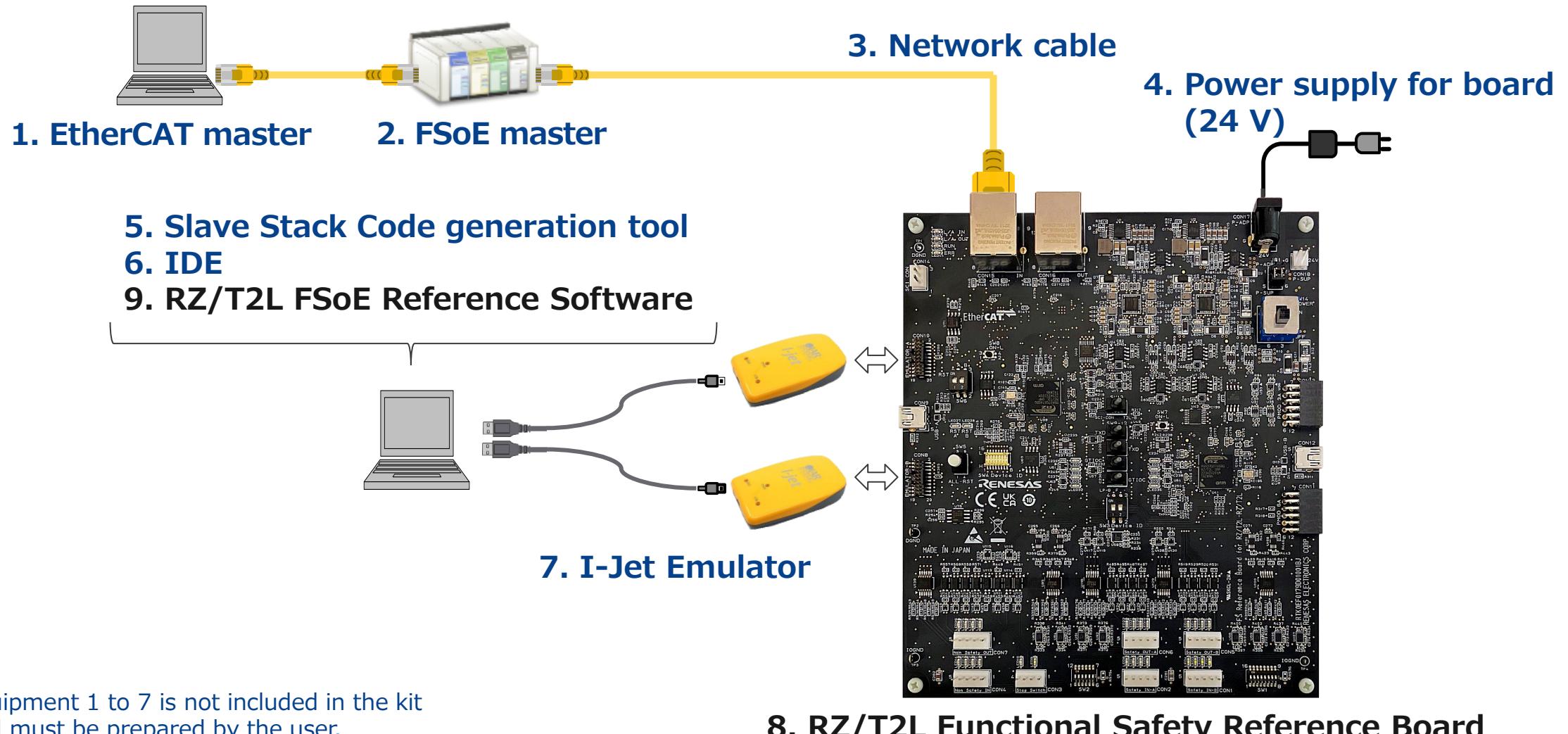
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System configuration example when using RZ/T2L FSоЕ Reference Software



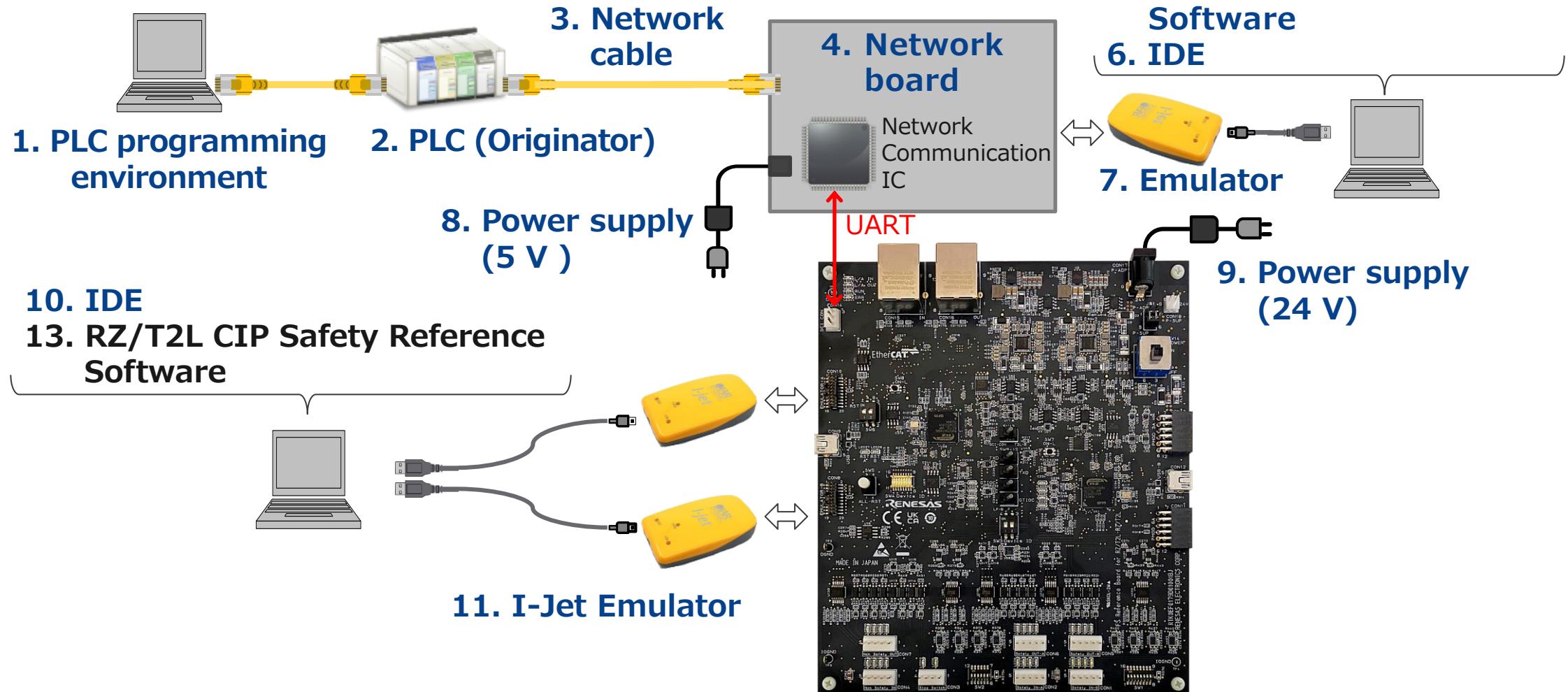
Equipment List when using RZ/T2L FSoE Reference Software

#	Category	Product name/model name	Manufacturer
Not included in the reference kit			
1	EtherCAT master *1	TwinCAT3 (Ver 3.1.4022.29)	Beckhoff Automation
2	FSoE master *1	- EtherCAT Coupler: EK1100 - EtherCAT Terminal communication interface, TwinSAFE Logic: EL6900 - Bus end cover for E-bus contacts: EL9011	Beckhoff Automation
3	Network cable	Not specified	
4	24 V power supply for board	See user's manual of the RZ/T2L Functional Safety Reference Board for details.	
5	Slave Stack Code generation tool *2	Slave Stack Code Tool (Ver 5.13) *2	Beckhoff Automation
6	IDE *1	EWARM-FS (Ver.9.20.3)	IAR Systems
7	Emulator *1	I-Jet	IAR Systems
Included in the reference kit			
8	RZ/T2L Functional Safety Reference Board	RTK0EF0179D01001BJ	Renesas Electronics
9	RZ/T2L FSoE Reference Software	RTK0EF0200F01001SJ_FS (Download from the URL in the board)	Renesas Electronics

*1 : For how to get them, please contact each maker.

*2 : Needs EtherCAT Technology Group membership and Vendor ID.

System configuration example when using RZ/T2L CIP Safety Reference Software



Equipment List when using RZ/T2L CIP Safety Reference Software

#	Category	Product name/model name	Manufacturer	
Not included in the reference kit				
1	PLC programming environment *1	Studio 5000 Logix Designer (9324M-RLDT11M Studio 5000 Lite Edition)	Rockwell Automation	
2	PLC (Originator) *1	- Compact GuardLogix SIL3 0.6.0,3M Motion : 5069-L306ERMS3 - Compact 5000 Spring RTB : 5069-RTB64-SPRING	Rockwell Automation	
3	Network cable	Cable of Cat5e or over		
4	Network board *2	RZ/N2L-RSK : RTK9RZN2L0S00000BE	Renesas Electronics	
5	Network Communication Software *2	- RZ/N2L EtherNet/IP OpENer Sample Program *3 - Flexible Software Package (v2.1.0)	2025/6/E Web Update	Renesas Electronics
6	IDE (for network board)	EWARM (Ver.9.60.2) *1 or e2 studio 2024-10 *2	IAR Systems/ Renesas Electronics	
7	Emulator (for network board)	When using EWARM: I-Jet *1 When using e2 studio: J-Link OB on the network board	IAR Systems/ Renesas Electronics	
8	5 V power supply for network board	See user's manual of the board for details.		
9	24 V power supply for reference board	See user's manual of the board for details.		
10	IDE (for reference board) *1	EWARM-FS (Ver.9.20.3)	IAR Systems	
11	Emulator (for reference board) *1	I-Jet	IAR Systems	
Included in the reference kit				
12	RZ/T2L Functional Safety Reference Board	RTK0EF0179D01001BJ	Renesas Electronics	
13	RZ/T2L CIP Safety Reference Software	RTK0EF0200F01001SJ_CI (Download from the URL in the board)	Renesas Electronics	

*1 : For how to get them, please contact each maker.

*2 : Please get from <https://www.renesas.com/rzn2l-rsk>

*3 : Note that the EDS file required for the slave device must also be prepared by the user.

A system configuration example and an equipment List when using RZ/T2L PROFIsafe Reference Software will be added on 2025/7/E.

