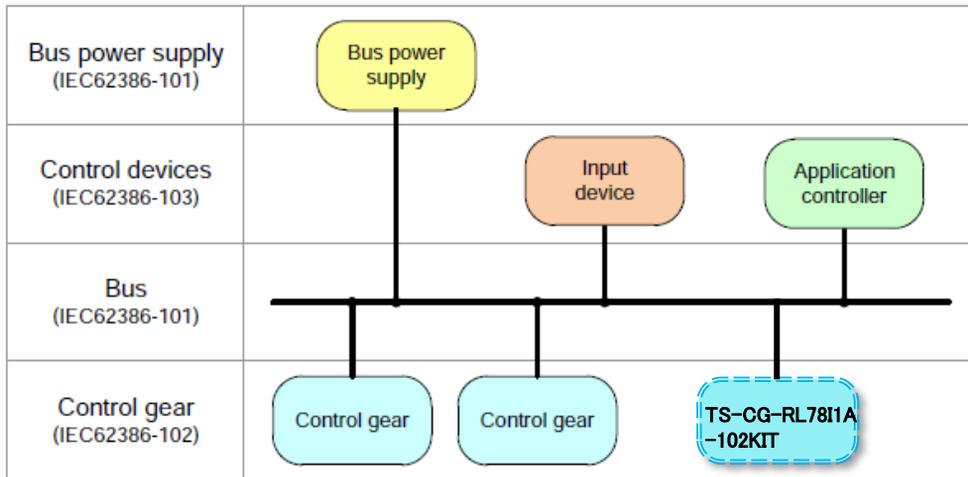


Evaluation Kit for DALI Control Gear

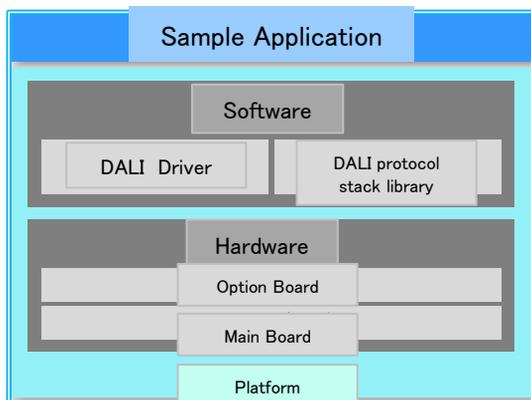


DALI is a lighting control communication protocol and an open standard defined in IEC62386. This product is a platform that realizes Control Gear operation, which is part of this standard.



【Hardware Features】

- ❑ This product has the Control Gear library already implemented in the CPU → You can evaluate immediately after purchase!
- ❑ The CPU uses RL78/I1A (Renesas), which is ideal for controlling LED lighting. → It can output high-resolution PWM and is ideal for controlling LED lighting.
- ❑ This is a 2-board (main/option board) configuration with great expandability. → Since most of the CPU signals are connected to the option board, it is easy to expand the user circuit.
- ❑ USB power supply possible → Power can be supplied from a USB cable (Mini-B). Compatible with EIAJ#2 plug AC adapter.



【Software Features】

- ❑ Verification confirmation using DALI official tester → Validated using ProbitLab2
- ❑ Compliant with IEC62386 101ed2.0 → Verified around hardware!
- ❑ Compatible with IEC62386 102ed2.0 → This performs "forward frame reception, analysis, dimming operation, backward frame transmission", etc. from the verified master of DALI communication.

Board Specification

Composition	Main Board	:	TS-CG-RL78I1A-MAIN
	Option Board	:	TS-CG-RL78I1A-OP1
	2 board configuration		
CPU	Renesas Electronics: RL78/11A(R5F107DE)		
	ProgramFlash	:	64KB
	SRAM	:	4KB
	DataFlash	:	4KB
Interface	DALI-2		
Supported Emulator	Renesas Electronics:E2エミュレータLite		
Power-supply Voltage	DC5V±10%		
Product Configuration	Main Board	:	TS-CG-RL78I1A-MAIN
	Option Board	:	TS-CG-RL78I1A-OP1
	◆ Software CD is not attached.		

Software Specification

- Sample application (C language source code) / User's manual.
- DALI protocol stack (Binary format) *1 / API list
- DALI driver (Binary format)
- Software and Documents can be downloaded from our website.

*1 Cannot be used after a certain period of time. Can be used again by resetting.
A source code (C language) version is also available separately.

Connection Example

