TESSERA TECHNOLOGY INC.

RX Ecosystem Partner Solution

DALI Lighting Control Solution

Solution Summary

TESSREA TECHNOLOGY's DALI Lighting Control Solution supports your DALI-enabled lighting device development as a one-stop service. Various development tools with support for Renesas RX MCUs are available.

Features/Benefits

- Accurate consulting service by a dedicated staff member who understands the latest DALI specifications

- Contract development of hardware and software: experience in developing DALI standards Part 101, 102, 103, 207, and 301, other DALI standards parts supported

- The same condition tests as the official test house's ones available

- Agency service for requesting certification tests from official test house

- Experience in coding DALI supporting libraries, customization to meet your needs available

Diagrams/Graphics

Lighting Communication Control Gear Evaluation Board

The option board to expand functions supporting DALI-2 Application Controller to Renesas RX65N Cloud Kit.

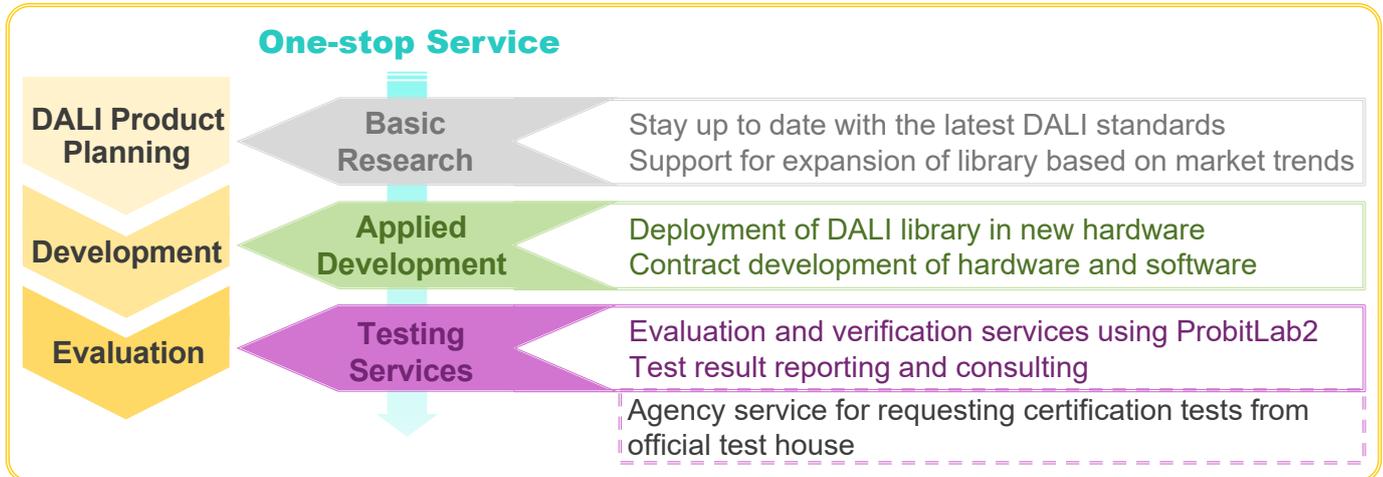| Product Name	TCM-RX65N-OP1
Supported MCU	Renesas RX65N (R5F565NEDDFP)
Interface	DALI-2 Interface DALI-2 Simple Power Supply Lighting Control Switches (9ch)
Power Source Voltage	DC 5V

https://www.tessera.co.jp/eng/products/tcm-rx65n-op1.html

Target Markets and Applications

- Smart Building
- Smart Home

- Consumer Electronics
- Industrial Lighting Control

https://www.tessera.co.jp/eng/index.html
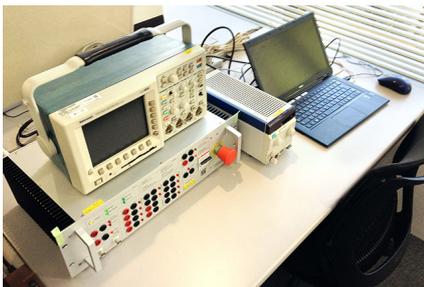
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Strong One-stop Support for the Development of DALI-enabled Lighting Equipment

One-stop Service

DALI Product Planning	Basic Research	Stay up to date with the latest DALI standards Support for expansion of library based on market trends
Development	Applied Development	Deployment of DALI library in new hardware Contract development of hardware and software
Evaluation	Testing Services	Evaluation and verification services using ProbitLab2 Test result reporting and consulting
		Agency service for requesting certification tests from official test house

https://www.tessera.co.jp/eng/business_led.html

Basic Research

We are a DiiA associate, always up to date with the latest DALI test sequences.

Digital Illumination Interface Alliance

We also have the IEC62386 specifications officially purchased and possessed. By our dedicated staff, who are always up-to-date with the latest specifications, provides accurate consulting.

DALI Evaluation and Development Environment

Applied Development

- Contract development of DALI-PWM conversion control software for lighting equipment manufacturers
- Contract development of LED lighting device control software for lighting device manufacturers
- Development of wireless DALI software for demonstrations
- Development of the Renesas DALI Library (for Part 102, 207)

Testing Services

We are an authorized user of the Lichtvision Engineering ProbitLab2 evaluation equipment, and we conduct our tests under the same conditions as an official DiiA-accredited test house.

ProbitLab2

In addition, we provide an agency service for requesting certification testing from GRE Alpha, an official test house.

Results:

- Evaluation and verification of DALI-1 Part 102 for lighting equipment manufacturers
- Evaluation and verification of DALI-1 Part 102 + 207 for lighting equipment manufacturers

Contact   https://www.tessera.co.jp/cgi-bin/admin/C-007/contact_eng/visit/form_submit.pl