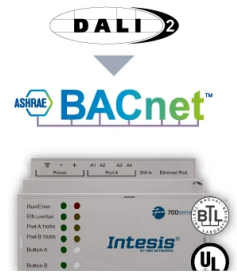# DALI-2 to BACnet/IP & MS/TP Server Application with 1 DALI channel

Integrate any DALI/DALI-2 driver and DALI-2 light sensor or occupancy sensor with a BACnet BMS or any BACnet/IP or BACnet MS/TP controller. The aim of this integration is to make DALI devices and their data and resources accessible from a control system or device based on BACnet, as if it were part of the BACnet system itself and vice versa.
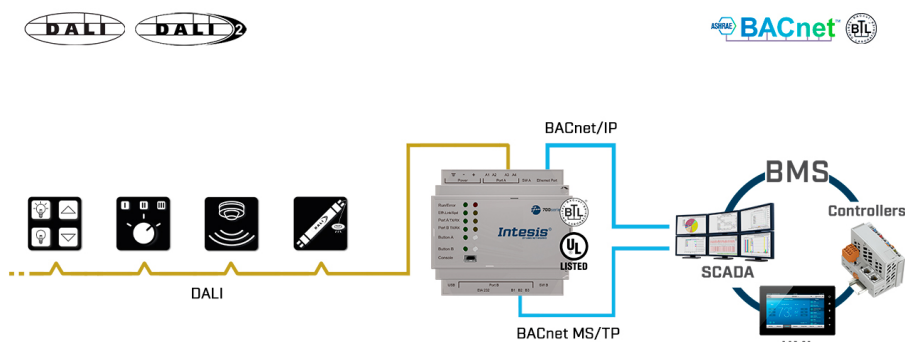
**FEATURES:**

UL certified.

BTL certified.

DALI-2 certified.

Support for BACnet/IP client and MS/TP master.

BACnet advanced features available (trend logs, calendars, etc.).

Support for DALI and DALI-2 drivers and DALI-2 input devices: push buttons, absolute inputs, and occupancy and light sensors.

RGB and tunable white integration for Human Centric Lighting demand.

DALI Local Control expanded, adding occupancy and light sensors support to the already supported push buttons and absolute inputs, allowing running each of them as an application controller.

DALI Data: Implementation of DALI standard for Energy and Diagnostic data.

Integrated DALI power supply.

Up to 64 drivers/ballasts + 64 DALI-2 input devices (sensors, push buttons, or absolute inputs).

Up to 10000 signals available and 230 mA current guaranteed.

Easy integration and DALI commissioning with Intesis MAPS configuration tool.

Configuration through IP or USB (console) port.

Automatic updates for both Intesis MAPS and gateway's firmware.

**Use Case**

**Integration of DALI-2 drivers and sensors into a BACnet installation**

**Description**

This bidirectional gateway provides a straightforward and fast integration thanks to its unique onboard features.

The BTL mark ensures 100% compatibility and, at the same time, guarantees a seamless integration with any BACnet device.

The configuration is carried out using the Intesis MAPS software. This one allows you to define your own settings for the device. Also, it will be able to download all the available project templates or to import any created/exported project template on your computer.

**Technical Documentation**

| | | |
|---|---|---|
| Installation Manual | Learn how to install the device in your project | Download |
| Application Wiring Diagram | Review your specific application wiring diagram | Download |
| User Manual | General information about this product | Download |
| DALI-2 Certification | Check the product DALI-2 Certification | Download |
| BACnet Server PIC statement | BACnet Server Protocol Implementation Conformance Statement 700 series | Download |
| BTL Certification | Check the product BTL Certification | Download |
| Late Configuration Video | Learn how to match your hardware with your application | Watch |
| EC Declaration of Conformity | Check the product certification | Download |
| UKCA Certification | Check the product UKCA Certification | Download |
| Recommendations to avoid polarity issues | How to avoid polarity issues in RS485 Networks | Learn more |
| CAD Drawings 2D and 3D | Check the CAD Drawings 2D and 3D | Download |
| Application Note | Check the DALI Local Control for input devices Application Note | Download |

**Programming Tools**

| | | |
|---|---|---|
| Intesis MAPS | Get access to download the configuration software tool | Download |
| Intesis MAPS User Manual | General information about Intesis MAPS for DALI projects | Download |
| eLearning course | Learn the secrets of Intesis MAPS | Enroll now |
| eLearning course | Learn How To commissioning your DALI-2 700 Series Gateway | Enroll now |

**Commercial Documentation**

| | | |
|---|---|---|
| Intesis Brochure | Know more about the Intesis current available products | Download |

| File | Version | Size | Read online |
|---|---|---|---|
| | | | |

**ORDER CODES:**

| | |
|---|---|
| IN703DAL0640000 | Intesis DALI-2 Protocol Translator with Serial and IP support - 1 DALI channel |

→  For the older version, please click here to find the documentation

→  Click here for a larger gateway's capacity

**INCLUDED COMPONENTS:**

Intesis Gateway.
Installation Manual.
USB Configuration cable.

Warranty: 36 months.

| Order Number | Description | Intesis MAPS template | Application |
|---|---|---|---|
| IN703DAL0640000 | DALI-2 to Modbus TCP & RTU or BACnet/IP & MS/TP Server Application with 1 DALI channel | IN-BAC-DALI-64 | DALI-2 to BACnet/IP & MS/TP Server Application with 1 DALI channel |
| | | IN-MBS-DALI-64 | DALI-2 to Modbus TCP & RTU Server Application with 1 DALI channel |