

CAN-DALI-LoRa

CANx LoRa DALI gateway

Seamlessly connects DALI lighting systems with CANx-based building automation networks. Supports DALI-1 and DALI-2 with multi-master capability. Offers individual, group and broadcast control. Supports DALI scenes, tunable white and RGB/RGBW.

LogicMachine5 is required for operation

Physical interfaces

DALI	1
CAN FT	1
Programming / reset button	1
USB 2.0	1 (only for device firmware upgrade)

Radio interface

LoRa 433	1 (on-board antenna)
Transmitter power	1.6 .. 50 mW (software adjustable)
Frequency range	433 .. 434.75 MHz

Power

Main power supply	24 V DC
DALI bus power supply	16 V .. 18 V DC
Power consumption	0.72 W (stand-by), 1.6 W (LoRa active)

Connections

CANx bus	Bus connection terminal, 0.8 mm ²
Power supply and DALI	Screw terminals, 0.8 mm ² .. 1.5 mm ²

LED indicators

Green	Bus activity / programming mode
Red	Bus or hardware fault / reset
Yellow /Blue	LoRa transmit / receive

Enclosure

Mounting support	DIN rail
DIN module width	3
Dimensions WxHxD	54 x 114 x 61 mm
IP degree of protection	IP20
Net weight	89 g

Standards compliance

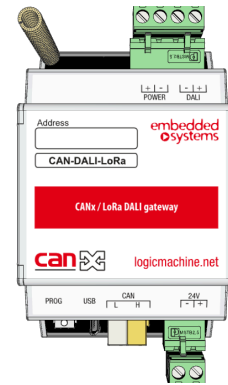
EMC	EN61000-6-1; EN61000-6-3
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Environment

Operational temperature	0 °C .. +45 °C
Storage temperature	-15 °C .. +55 °C
Relative humidity	0% ... 93% (without condensation)

Warranty

2 years



Key highlights

Robust and efficient communication

Utilizes time-proven CAN FT field bus.

High bandwidth CAN FT bus

Supports 48Kbps over CAN FT bus, ensuring fast and reliable data transfer.

LoRa-enabled variants

Selected CANx devices offer LoRa 433 wireless communication for flexibility.

Seamless protocol interoperability *

Unified data types enable smooth integration with other systems such as KNX, Modbus, BACnet, MQTT, and more.

Co-exists with KNX while enhancing performance *

Eliminates KNX fieldbus limitations (speed, semantics) while maintaining full user experience and compatibility with KNX.

ETS-friendly integration *

Supports importing KNX project files and enriching them with semantics for advanced data modelling.

Comprehensive commissioning *

Free CANx and DALI web-based commissioning tools available via the LogicMachine app store for device discovery, configuration and diagnostics.

** LogicMachine is required for commissioning and interconnectivity with other protocols.*

logicmachine.net