

WOLF GATEWAY · LINUX EDGE CONTROLLER

Wolf-2DALI

Two DALI-2 buses with built-in bus power — commission lighting, run scenes, and bridge to Modbus or the cloud.



SUPPLY

21–30 V DC

BUS POWER

200 mA @ 16 V × 2

TEMP RANGE

–40 ... +55 °C

CONNECTIVITY

Ethernet · 4G/LTE

 LIGHTING CONTROL

DALI ×2

2× DALI-2 · ≤64 gear each

Two zones with groups, scenes, and DTI emergency tests — bus power built in.

 DALI + MODBUS

Field

DALI · RS-485 Modbus RTU · sensors

Combine DALI lighting with Modbus field devices and sensors on one box for a smarter system.

 STANDALONE AUTOMATION

Rules

Local Lua · runs offline

Lua links sensors to lights, runs when the network drops, and bridges up to BMS, SCADA, or cloud.

WHERE IT SITS

FIELD

DALI gear ·
Sensors · RS-485


EDGE CONTROLLER

Wolf-2DALI

Linux · Wolf-OS +
Wolf-App


NETWORK

MQTT · REST ·
Modbus TCP


UPSTREAM

BMS · SCADA ·
Cloud

Built for **smart lighting control**, **emergency-lighting compliance** (DTI tests, emailed reports), and **DALI ↔ Modbus / cloud bridging**.

COMPLIANCE CE | RoHS | WEEE | CRA-ready (EU 2024/2847)

Made in EU · 3-year warranty · 5-year security updates

Request an evaluation unit

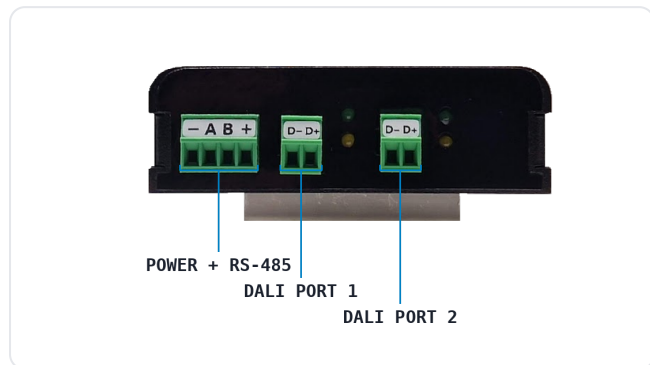
Evaluation units and volume pricing for engineers and integrators across the EU.

hello@foxiot.eu

Wolf-2DALI

DS-WG-2DALI · REV 1.0

EXPANSION CARD · DALI & FIELD BUS



FIELD ELECTRICAL

DALI	2x DALI-2 compatible · ≤64 gear (128 total)
Bus power	Integrated · 200 mA @ 16 V per bus · software-switchable
Diagnostics	Per-bus current measurement · overload / fault flag
RS-485	Modbus RTU · ±30 V fault · 120 Ω terminator (built-in, fixed)

- ✓ **No external DALI PSU.** Integrated 200 mA @ 16 V bus power on each line.

MECHANICAL & ENVIRONMENTAL

Dimensions	126 × 80 × 35 mm
Weight	~350 g
Mounting	DIN-rail
Operating temp.	-40 ... +55 °C
Humidity	5-90 % non-condensing

ORDERING INFORMATION

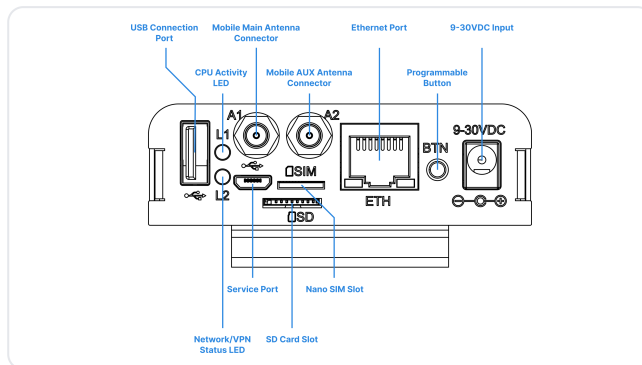
ITEM	ORDER CODE	DESCRIPTION
Wolf-2DALI	GW-WOLF-DALI-R1	2 DALI-2 buses (integrated bus power), RS-485 Modbus RTU
Wolf-2DALI-LTE	GW-WOLF-DALI-R1-LTE	As above, with 4G/LTE modem (Quectel EC25-EUX)
Plug-in power adapter	ACC-PSU-24P	24 V DC, 1.5 A (2.1 / 5.5 mm jack)
DIN-rail PSU	ACC-PSU-24D	24 V DC, 1.5 A
LTE antenna	ACC-ANT-M-LTE	Magnet-mount, for the -LTE variant

FULL MANUAL

foxiot.eu/downloads/FoxIoT-2DALI-Product-Manual-v1_0.pdf



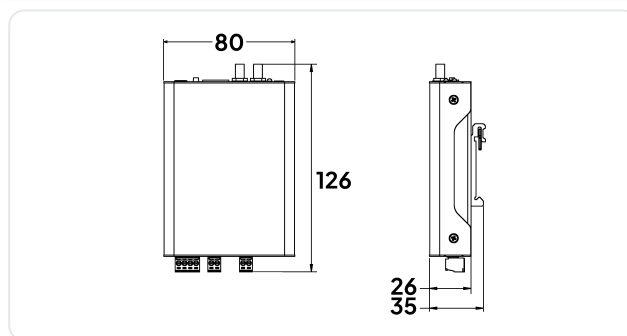
MOTHERBOARD · NETWORK & POWER



PLATFORM & NETWORK

Platform	ARM Linux · Wolf-OS
Network	10/100 Ethernet · optional 4G/LTE · VPN
Storage	128 MB flash · optional micro-SD
Power	DC jack or terminals · 21-30 V DC · reverse-protected

- ✓ **Remote-ready.** Built-in VPN and optional 4G/LTE for sites with no fixed line.



PRODUCT PAGE

foxiot.eu/products/wolf-gateway/wolf-2dali

