

WOLF GATEWAY · LINUX EDGE CONTROLLER

Wolf-8ADio1Ro

Eight software-configurable I/O ports and a relay — Linux edge control that keeps running when the network drops.



SUPPLY

11.5–30 V DC

POWER

0.6 W @ 12 V

TEMP RANGE

–40 ... +55 °C

CONNECTIVITY

Ethernet · 4G/LTE

MIXED-SIGNAL SENSING

I/O

×8

DI · DO · 0–10 V · 4–20 mA ·
NTC · Wiegand

Each of 8 ports configures in software as any signal type — one card covers almost any sensor.

EQUIPMENT CONTROL

Relay

×1

5 A @ 30 V AC/DC · Omron

Signal a BMS, PLC, or SCADA input, drive a contactor coil, or trigger a door strike — straight from local logic.

COMMUNICATIONS

Modbus

RTU · TCP · MQTT · REST

Poll meters and devices over RS-485. Forward upstream over Modbus TCP, MQTT, or REST.

WHERE IT SITS

FIELD I/O

Sensors · Relay ·
RS-485



EDGE CONTROLLER

Wolf-8ADio1Ro

Linux · Wolf-OS +
Wolf-App



NETWORK

MQTT · REST ·
Modbus TCP



UPSTREAM

SCADA · VPP ·
Cloud

Built for **sensor-heavy automation, HVAC, access control, and PV-park monitoring.**

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

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

Request an evaluation unit

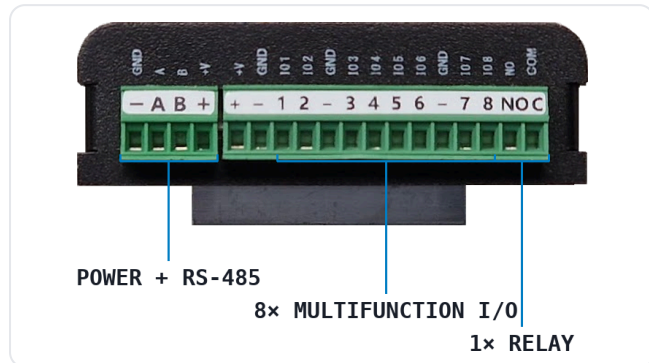
Evaluation units and volume pricing for engineers and integrators across the EU.

hello@foxiot.eu

Wolf-8ADio1Ro

DS-WG-8ADIO1R0 · REV 1.1

EXPANSION CARD · FIELD I/O



FIELD ELECTRICAL

Ports 8x configurable: DI · DO · AI 0–10 V · AI 4–20 mA · NTC · Wiegand

Relay 1x Omron · 5 A @ 30 V AC/DC · >100k operations

RS-485 Modbus RTU · ±15 kV ESD · ±30 V fault · built-in 120 Ω terminator

Onboard 12-bit ADC · EEPROM card-type auto-detection

- ✓ **One card, any signal.** Eight ports cover DI, DO, analog, NTC, and Wiegand.

MECHANICAL & ENVIRONMENTAL

Dimensions 126 × 80 × 35 mm

Weight ~350 g

Mounting DIN-rail

Operating temp. –40 ... +55 °C

Storage temp. –40 ... +75 °C

Humidity 5–90 % non-condensing

ORDERING INFORMATION

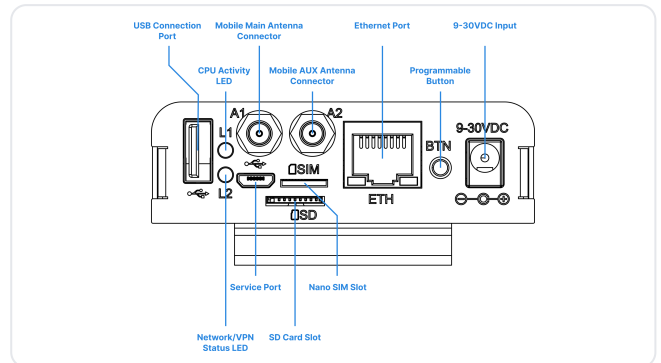
ITEM	ORDER CODE	DESCRIPTION
Wolf-8ADio1Ro	GW-WOLF-I0-R1	8 multifunction I/O, 1 relay, RS-485 Modbus RTU
Wolf-8ADio1Ro-LTE	GW-WOLF-I0-R1-LTE	As above, with 4G/LTE modem (Quectel EC25-EUX)
Plug-in power adapter	ACC-PSU-12P	12 V DC, 1.5 A (2.1 / 5.5 mm jack)
DIN-rail PSU	ACC-PSU-24D	24 V DC, 1.5 A
LTE antenna	ACC-ANT-M-LTE	Magnet-mount, 50 Ω, ≤ 4 dBi, for the -LTE variant

FULL MANUAL

foxiot.eu/downloads/FoxIoT-8ADio1Ro-Product-Manual-v1_2.pdf



MOTHERBOARD · NETWORK & POWER



PLATFORM & NETWORK

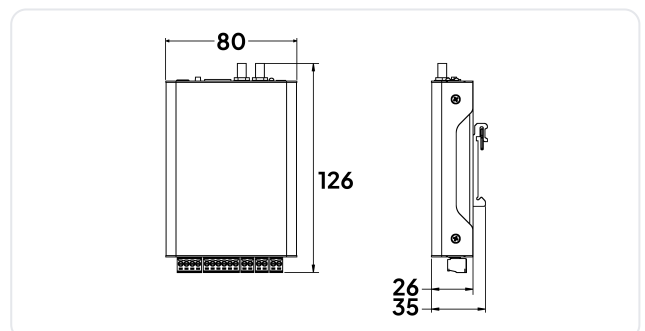
Platform ARM Linux · Wolf-OS

Network 10/100 Ethernet · optional 4G/LTE · VPN

Storage 128 MB flash · optional micro-SD

Power DC jack or screw terminals · 11.5–30 V DC · 0.6 W @ 12 V · 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-8adio1ro

