

WOLF GATEWAY · LINUX EDGE CONTROLLER

Wolf-3Oi3Ro

Relays, isolated inputs, and Modbus — online over Ethernet or 4G/LTE.



SUPPLY

9–30 V DC

POWER

0.6–1.2 W

TEMP RANGE

–40 ... +55 °C

CONNECTIVITY

Ethernet · 4G LTE
 EQUIPMENT CONTROL

Relays ×3

5 A @ 230 V AC

Send control signals to BMS and PLC systems, drive contactors, or switch loads directly.

 SIGNAL SENSING

Inputs ×3

Opto-isolated · 5–30 V DC

Read PLC states and signals from other systems, then act or report upstream. Isolation protects both sides.

 COMMUNICATIONS

Modbus

RTU · TCP · MQTT · REST

Poll meters and inverters over RS-485. VPP platforms connect upstream over Modbus TCP, MQTT, or REST.

WHERE IT SITS

FIELD I/O

Relays · Inputs · RS-485


EDGE CONTROLLER

Wolf-3Oi3Ro

Linux · Wolf-OS +
Wolf-App


NETWORK

**MQTT · REST ·
Modbus TCP**


UPSTREAM

**SCADA · VPP ·
Cloud**

Built for **VPP / curtailment**, bridging signals between BMS and PLC systems, and remote equipment control.

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

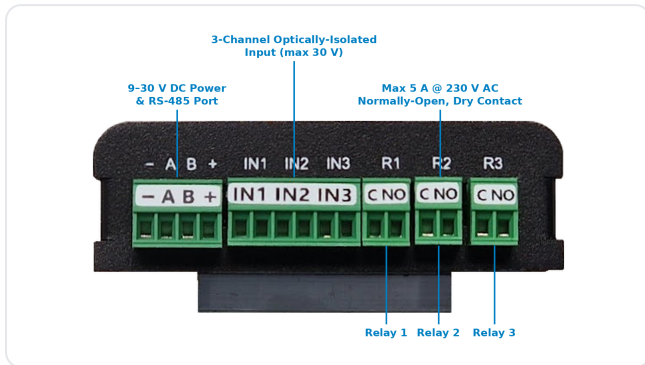
Made in EU · 3-year warranty · 5-year security updates

Request an evaluation unit

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

hello@foxiot.eu

EXPANSION CARD · FIELD I/O



FIELD ELECTRICAL

Relays Omron G6DN-1A-L · 5 A @ 230 V AC resistive · SPST-NO

Inputs Opto-isolated · 5–30 V DC active · polarity-insensitive

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

Terminal power – / + · 9–30 V DC

- ✓ **Field-hardened.** Opto-isolated inputs and a ±30 V fault-tolerant RS-485 bus.

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

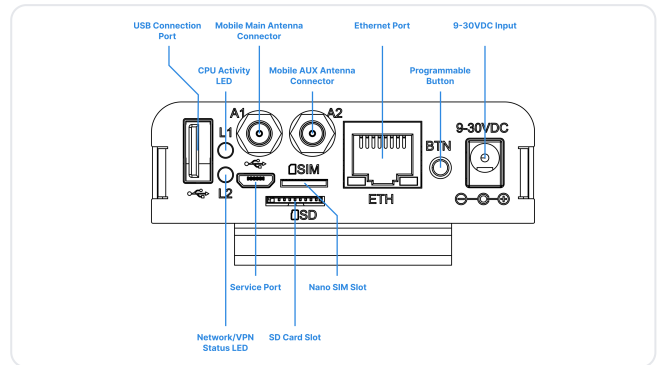
ITEM	ORDER CODE	DESCRIPTION
Wolf-3Oi3Ro	GW-WOLF-0I-R1	3 relays, 3 isolated inputs, RS-485 Modbus RTU
Wolf-3Oi3Ro-LTE	GW-WOLF-0I-R1-LTE	As above, with 4G/LTE modem (Quectel EC25-EUX)
Plug-in power adapter	ACC-PSU-12P	12 V DC, 1.5 A (2.1 / 5.5 mm jack)
DIN-rail PSU	ACC-PSU-24D	24 V DC, 1.5 A
LTE antenna	ACC-ANT-M-LTE	Magnet-mount, for the -LTE variant

FULL MANUAL

foxiot.eu/downloads/FoxIoT-3Oi3Ro-Product-Manual-v1_0.pdf



MOTHERBOARD · NETWORK & POWER



PLATFORM & NETWORK

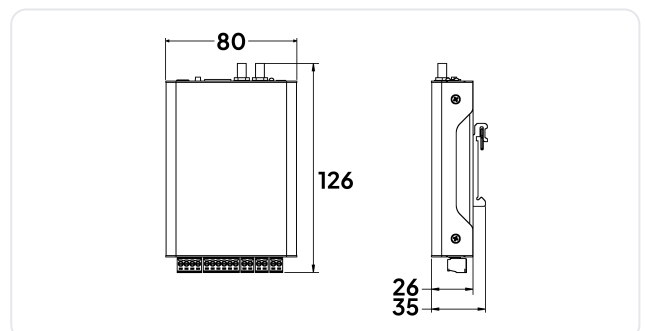
Platform ARM Linux · Wolf-OS

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

Storage 128 MB onboard flash · optional micro-SD

Power DC jack 9–30 V DC · 0.6–1.2 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-3oi3ro

