

WOLF GATEWAY · LINUX EDGE CONTROLLER

Wolf-2RS485

Two independent RS-485 buses for Modbus and M-Bus — online over Ethernet or 4G/LTE.



SUPPLY

9–30 V DC

POWER

0.7 W typ.

TEMP RANGE

–40 ... +55 °C

CONNECTIVITY

Ethernet · 4G LTE
 FIELD BUS

RS-485 x2

Modbus RTU · independent

Connect meters, inverters, and controllers on two buses — a slow legacy bus never holds back a fast one.

 METER READING

M-Bus

Via external converter

M-Bus converter on one port, Modbus devices on the other — one gateway reads both networks.

 PROTOCOL TRANSLATION

Bridging

RTU ↔ TCP · MQTT · REST

Bridge two Modbus networks with different settings, or translate everything upstream to your platform.

WHERE IT SITS

FIELD BUSES

**Modbus RTU ·
M-Bus**


EDGE CONTROLLER

Wolf-2RS485

Linux · Wolf-OS +
Wolf-App


NETWORK

**MQTT · REST ·
Modbus TCP**


UPSTREAM

**SCADA · VPP ·
Cloud**

Built for **multi-device Modbus networks**, meter reading over M-Bus, and protocol bridging between systems.

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

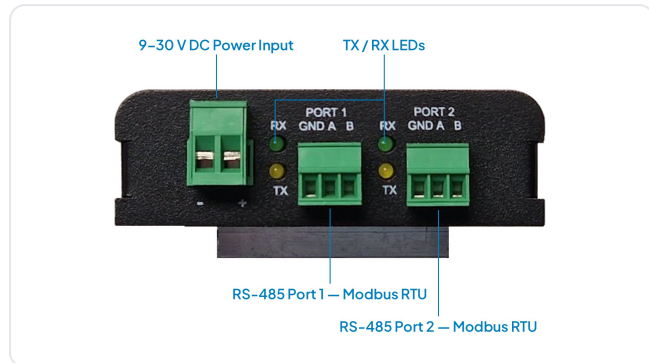
Made in EU · 3-year warranty · 5-year security updates

Request an evaluation unit

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

hello@foxiot.eu

EXPANSION CARD · FIELD BUS



BUS ELECTRICAL

Ports	2 × RS-485 · SN65HVD1781DR transceivers
Baud rate	300–115200 bps per port, independent
Protection	±15 kV ESD · ±30 V bus fault · 120 Ω built-in
Indicators	TX / RX LEDs per port

- ✓ **Independent.** Two buses, two baud rates, fail-safe bias on board — one gateway.

MECHANICAL & ENVIRONMENTAL

Dimensions	130 × 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

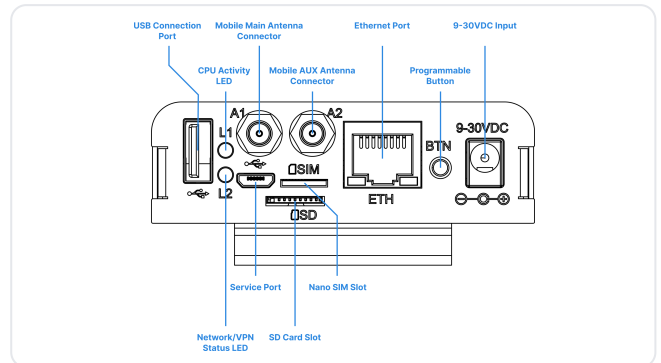
ITEM	ORDER CODE	DESCRIPTION
Wolf-2RS485	GW-WOLF-RS-R1	2 independent RS-485 ports, Modbus RTU
Wolf-2RS485-LTE	GW-WOLF-RS-R1-LTE	As above, with 4G/LTE modem (Quectel EC25-EUX)
Plug-in power adapter	ACC-PSU-12P	12 V DC, 1.5 A (2.1/5.5 mm jack)
DIN-rail PSU	ACC-PSU-24D	24 V DC, 1.5 A
LTE antenna	ACC-ANT-M-LTE	Magnet-mount, for the -LTE variant

FULL MANUAL

foxiot.eu/downloads/FoxIoT-2RS485-Product-Manual-v1_0.pdf



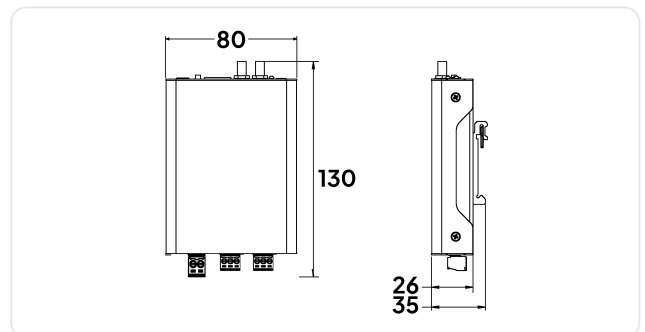
MOTHERBOARD · NETWORK & POWER



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 · 0.7 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-2rs485

