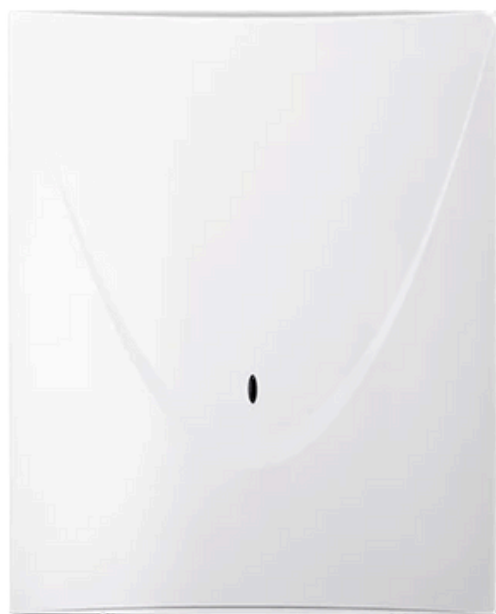


EXIO

WIRED WIRELESS M-BUS GATEWAY



EXIO is a mains-powered universal data concentrator designed for reading water meters, heat meters, heat cost allocators, gas meters and electricity meters that send data via radio in accordance with the wireless M-Bus or OMS protocol.

All data received by the concentrator is transmitted according to a set transmission schedule to the telemetry cloud via the GSM network using 5G/4G or NB-IoT technology.



Performance

EXIO is equipped with a latest-generation communication modem and an energy-efficient computing unit that enables secure hub management, diagnostics and servicing.

Reliability

The high-sensitivity 868 MHz radio receiver allows for reading measuring devices installed in hard-to-reach places, and the high-power transmitter allows for remote communication (range up to 200 m) with measuring devices for the purposes of reconfiguration, alarm clearing or diagnostics.

Flexibility

Data transmission takes place via a secure communication protocol (HTTPS or MQTT) in accordance with the reporting schedule, allowing data to be collected and sent according to individual customer needs. EXIO provides constant monitoring of media consumption with data updates up to 24 times a day!

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Safety

Built-in sensors that detect when the enclosure is opened or removed from its base enable quick detection of vandalism or theft.

Ergonomics

Easy to install and configure – mounting to the floor and configuring the device takes just a few minutes and requires no specialist knowledge or tools.

Aesthetics

The casing, designed with aesthetic interiors in mind and made of high-quality plastic, makes EXIO blend in perfectly with its surroundings and can be installed in stairwells, galleries, etc.

TECHNICAL SPECIFICATIONS

Radio frequency/power	868 MHz to 14 dBm
Supported radio protocols	W-Mbus EN13757-4, OMS
Supported modes	T1, C1, S1
Maximum number of WMBus devices	2000 devices
Supported GSM technologies	5G, 4G, NBIoT
Configuration and diagnostics	Locally (USB/Android app) or remotely
Communication protocols	MQTT, HTTPS
SIM card size	Mini SIM
Radio sensitivity	-105dBm
Power supply	85-305 VAC/100-430 VDC, max. 15 W
Battery life	11 years
User interface	RGB LED button: Reset (device reset) button: Action (GSM communication test, WMBus communication test, return to factory settings)
Antennas	Internal
Dimensions (width/length/height)	127 mm / 48 mm / 164 mm
Weight	530 g
Protection class	IP20
Storage temperature	from -20°C to +65°C
Operating temperature	from 0°C to +55°C