

New!

Elvaco Edge

The world's first fully connected M-Bus Gateway

Elvaco's new ground-breaking gateway brings versatile power supply options with best-in-class battery-driven gateway for wired and wireless meters.

- **Included connectivity**
seamless and instant access to your meter data
- **Mount and go**
no need for complex installation
- **Versatile**
connect any M-Bus meter (wired or wireless) conforming to EN-13757 (EN1434) and OMS



Bringing your M-Bus/wM-Bus solution to a new level

Our new generation M-Bus metering Gateway, Elvaco Edge, is completely plug and play. By using the Elvaco mobile app you can easily install and configure your devices and with Elvaco EVO, visualize your meter data.

Elvaco Edge communicates through the mobile networks using LTE-M and NB-IoT. It can read more than 1000 wireless M-Bus meters and four wired meters, and is compatible with all meters conforming to the M-Bus standard protocol.

Our customers who have existing CMi-Boxes in field can easily exchange these to Elvaco Edge. By using the same mounting holes as for the CMi-Box, and the convenient mobile app - the exchange is done quick and easy. Simply start the Elvaco Edge and follow some easy steps to get the meter data delivered to you.



Technical specifications

Mechanics

Casing material	ABS, white
Dimensions (w x h x d)	165 x 166 x 54 mm
Mounting	Wall-mounted, direct or bayonet mount
Protection class	IP55
Weight	0,5 kg
Power supply	Battery (2 D-Cell) or PSU

Electrical characteristics

For PSU gateways

Supply voltage PSU	100-240 VAC
Frequency PSU	50/60 Hz

For battery gateways

Battery (replaceable)	2xD-cell (3.6V, 38Ah)
Life expectancy	10+ years* <small>* The expected battery lifetime stated is based on simulations and true measurements according to recommended configuration and environmental conditions.</small>

Integrated M-Bus Master

M-Bus baud rate	300, 2400, 9600* Baud <small>*9600 Baud possible in good conditions, but not guaranteed</small>
Maximum number of wired M-Bus devices	4 (4T/6mA)
M-Bus search modes	Primary, secondary

Wireless M-Bus receiver

Supported modes	T1, C1, S1
Frequency band	868 MHz
RF sensitivity	-111 dBm
OMS compliant	Yes

User interface

LED	6 RGB LEDs
Installation	On button
Opening	No tools needed

Tamper protection	Mechanical switch that detects opening of the lid
Sealing	By plastic or metal wire

Mobile network

Mobile networks	LTE-M and NB-IoT
Supported bands	3, 8 and 20
Firmware upgrade	FOTA (Firmware over the air)
External antenna	MCX-f

Environmental specification

Operating temperature	+5°C to +55°C
Protection class	IP55
Operating altitude	Up to 2000 m
Pollution degree	3

Approvals

RoHS Directive	2011/65/EU
EMC (2014/30/EU)	EN 301 489-3 V2.1.1 (2019-03) EN 301 489-1 V2.2.3 (2019-11) EN 301 489-17 V3.2.4 (2020-09) EN 301 489-52 V1.2.1 (2021-11) EN 55032:2015 + A1:2020 + A11:2020
LVD (2014/35/EU)	IEC 62368-1:2014 EN 62368-1:2014+A11
Radio (2014/53/EU)	EN 301 908-1 V 15.2.1 (2023-01) EN 300 220-1 EN 300 220-2 V3.1.1
Environmental (IP test)	IEC 60529:2013 (Ed 2.2) EN 60529:2014 IEC 62368-1 EN 60950-22:2017

Products

3000001	Elvaco Edge M-Bus Gateway - Elvaco Play LTE-M, 4T, 2xD-Cell, White
3000002	Elvaco Edge M-Bus Gateway - Elvaco Play LTE-M, 4T, 230V, White
3000003	Elvaco Edge wM-Bus Gateway - Elvaco Play LTE-M, 4T, 2xD-Cell, White
3000004	Elvaco Edge wM-Bus Gateway - Elvaco Play LTE-M, 4T, 230V, White

