

PE2100-MBUS: CMe2100 LTE

M-Bus Metering Gateway for mobile networks

CMe2100 LTE is a M-Bus Metering Gateway for mobile networks with automatic fallback that reads up to 256 meters, compiles meter data in customized reports and delivers it to a receiving system. Via an IR interface it communicates with devices from Elvacos CMe/CMEx-series and ABB electricity meter. CMe2100 LTE is compatible with all meters that use M-Bus. The product is configured and updated through SMS or HTTP.



Technical specification

Mechanics

Protection class	IP20
Dimensions (w x h x d)	35 x 100 x 65 mm
Mounting	DIN-rail (DIN 50022) 35 mm
Weight	120 g

Electrical connections

Supply voltage	Screw terminal, cable 0,5-2,5 mm ²
M-Bus master port	Screw terminal, cable 0,2-1,5 mm ²
USB master port	Type A
USB slave port	Type micro B
Network	Mobile networks (2G/3G/LTE)

Electrical characteristics

Nominal voltage	100-240 VAC (±10%)
Power consumption (max)	<6 W
Power consumption (nom)	<1 W

User interface

Configuration	SMS, HTTP, Telnet
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Approvals

EMC	EN 61000-6-2, EN 61000-6-3, EN 301489-1, EN 301489-7
Safety	EN 61010-1, CAT 3

M-Bus

Interfaces	IR, integrated M-Bus Master
M-Bus standard	EN 13757, full M-Bus decoder implemented
Transparent M-Bus	NET and TCP/IP (software limit does not apply to Transparent M-Bus mode)
Decryption	Yes

Integrated M-Bus Master

M-Bus baud rate	2400 and 9600 bit/s
Maximum numbers of M-Bus devices	256

General

Real time clock accuracy	<2 s/day
Script engine	Intelligent script engine for active content generation
Software update	HTTP
Measurement reports	HTTP, FTP, SMTP (e-mail), SMS
Real time clock backup	12 h