Elvaco CMe2100 LTE

Part Code	Name	Size	Input	Included
EL001CM	CMe2100 LTE Data Logger for up to 1 meter	1	MBus	Enclosure, antenna sold separately
EL016CM	CMe2100 LTE Data Logger for up to 16 meters	16	MBus	Enclosure, no expander, antenna sold separately
EL032CM	CMe2100 LTE Data Logger for up to 32 meters	32	MBus	Enclosure and CMeX10 expander, antenna sold separately
EL064CM	CMe2100 LTE Data Logger for up to 64 meters	64	MBus	Enclosure and expander, antenna sold separately
EL065CM	CMe2100 LTE Data Logger for up to 64 meters, RS232	64	MBus	Enclosure and expander, RS232, antenna sold separately
EL128CM	CMe2100 LTE Data Logger for up to 128 meters	128	MBus	Enclosure and expander, antenna sold separately
EL256CM	CMe2100 LTE Data Logger for up to 256 meters	256	MBus	Enclosure and expander, antenna sold separately
EL256WL	CMe2100 LTE Wireless MBus Enhanced Data Logger for up to 256 meters	256	MBus, wMBus	Enclosure and wireless expander, antenna sold separately
EL016DC	CMe2100 LTE MBus Master for up to 16 meters	16	MBus	Unit only, antenna sold separately
EL034DC	CMe2100 LTE MBus Master for up to 32 meters	32	MBus	Unit only, antenna sold separately
EL066DC	CMe2100 LTE MBus Master for up to 64 meters	64	MBus	Unit only, antenna sold separately
EL129DC	CMe2100 LTE MBus Master for up to 128 meters	128	MBus	Unit only, antenna sold separately
EL256DC	CMe2100 LTE MBus Master for up to 256 meters	256	MBus	Unit only, antenna sold separately

CMe2100 LTE is an MBus metering gateway for mobile networks, with LTE and automatic fallback to 3G and 2G. It reads up to 256 MBus meters and sends customised reports to a receiving system. Settings can be changed remotely by text message or HTTP. CM part codes are complete data loggers in an enclosure, with an expander. DC part codes are the CMe2100 LTE unit on its own. An external antenna is needed and is ordered separately.

Features:

- Reads up to 256 MBus meters
- Up to 16 meters without an expander
- 2G, 3G and LTE with automatic fallback
- DIN rail mounted
- Remote settings by text message or HTTP



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Technical Datasheet
Elvaco CMe2100 LTE

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 to 2.5 mm²
MBus master port	Screw terminal, cable 0.2 to 1.5 mm²
USB master port	Type A
USB slave port	Type micro B
Network	Mobile networks (2G, 3G, LTE)
Electrical characteristics	
Nominal voltage	100 to 240 VAC (plus or minus 10%)
Power consumption (max)	Below 6 W
Power consumption (nominal)	Below 1 W
User interface and approvals	
Configuration	SMS, HTTP, Telnet
EMC	EN 61000-6-2, EN 61000-6-3, EN 301489-1, EN 301489-7
Safety	EN 61010-1, CAT 3
MBus	
Interfaces	IR, integrated MBus master
MBus standard	EN 13757, full MBus decoder implemented
Transparent MBus	NET and TCP/IP (software limit does not apply to transparent MBus mode)
Decryption	Yes
MBus baud rate	2400 and 9600 bit/s
Maximum MBus devices	256
General	
Real time clock backup	12 h
Real time clock accuracy	Below 2 s/day
Script engine	Intelligent script engine for active content generation
Software update	HTTP
Measurement reports	HTTP, FTP, SMTP (email), SMS

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