



## Elvaco CMeX

Part Code	Name	Size	Input
EL032DC	CMeX10 MBus Master 32 Connected Meters	32	MBus
EL033DC	CMeX10S MBus Master 32 Connected Meters	32	MBus
EL064DC	CMeX11 MBus Master 64 Connected Meters	64	MBus
EL065DC	CMeX11S MBus Master 64 Connected Meters	64	MBus
EL128DC	CMeX12S MBus Master 128 Connected Meters	128	MBus
EL250DC	CMeX13S MBus Master 256 Connected Meters	250	MBus
EL500DC	CMeX50 Wireless MBus Master 500 Connected Meters	250	Wireless MBus

CMeX10-13S range is an MBus Master which, by providing additional drive strength, extends the number of meters a CMe Series Gateway is able to use.

The product is equipped with a unique IR Pass Through feature which enables up to four CMe/CMeX Series devices to communicate via IR, by stacking them side-by-side.

The S version will also support integration with existing MBus systems through RS232. This also allows for local reading through suitable software.



### Features:

- CMeX range - 32, 64, 128, 256
- Mains powered 220-240VAC
- DIN Rail Mounted
- Suitable enclosures available on request
- To be used in conjunction with the CMe2100 or CMe3100

Technical Specification		
Mechanics	CMeX10-11	CMeX10S-11S-12S-13S
Casing Material	Polyamide	
Protection Class	IP20	
Dimensions	90 x 65 x 35 mm	90 x 65 x 108 mm
Weight	100g	220g
Connection MBus	Pin terminal solid wire 0.6-0.8 Ø mm	Pin terminal solid wire 0.6-0.8 Ø mm and screw terminal cable 0-2.5 mm <sup>2</sup> , 0.5 Nm tightening torque
Mounting	DIN Mounted	
Power Supply	Screw terminal cable 0-2.5 mm <sup>2</sup> , 0.5 Nm tightening torque	
Electrical	CMeX10-11	CMeX10S-11S-12S-13S
Nominal Voltage	100-240 VAC	
Voltage range	-10 % to +10 % of nominal voltage	
Frequency	50/60 Hz	
Power consumption (max)	3 W	25 W
Power consumption (nom)	1.5 mA x MBus slaves + 1 W	
Installation category	CAT 3	
Environmental		
Operating temperature range	-30 to +55 °C	
Storage temperature range	-40 to +85 °C	
Operating humidity max	80 % RH temperatures up to 31 °C, decreasing linearly to 50 %RH at 40 °C	
Pollution	Degree 2	
Operating altitude	0-2000 m	
Usage	Indoor use only, can be extended with IP67 enclosure for outdoor use	
User Interface		
Green LED	Power	
Red LED	Error	
Yellow LED	RX	
Yellow LED	TX	
Push button	Not used	
Approvals		
EMC	EN 61000-6-2, EN 61000-6-3	
Safety	EN 61010-1, CAT 3	



Managed Services

Meter Data Management

Billing Solutions

PAYG Management

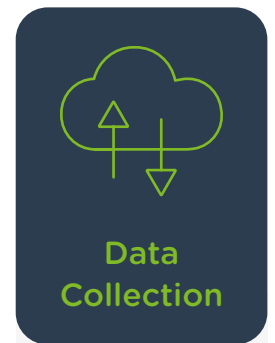
Online Account Management

[sycous.com](http://sycous.com)

MBus	CMeX10	CMeX11	CMeX12	CMeX13
MBus standard	EN 13757			
MBus baud rate	300 and 2400 Bit/s			
Maximum connected MBus meters	32	64	128	256
Maximum cable length	1000 m/5000 m*		5000 m	
Max load capacitance	1.5 uF			
Light collision detect	>28 to 500 mA			
RS232 to MBus	No/Yes*		Yes	
Break signal length MBus 2-wire and right IR interface	45 ms			
Nominal voltage	28 VDC/42 VDC*		42 VDC	
Maximum idle current	55 mA	100 mA	200 mA	400 mA
IR Interface	Yes			
Pass Through	Yes. Maximum of 4 CMeX10 Series products side by side			
Compatibility	All standard MBus meters, all ABB meters with IR interface, CMeX Series products			

*\* For CMeX10S and CMeX11S*

CMeX10 Series	Number of Meters	RS232	Cable length	Number of DIN-modules
CMeX10	32	No	1000	2
CMeX11	64	No	1000	2
CMeX10S	32	Yes	5000	6
CMeX11S	64	Yes	5000	6
CMeX12S	128	Yes	5000	6
CMeX13S	256	Yes	5000	6



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