

PQ M centre

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data sheet



PQ M centre

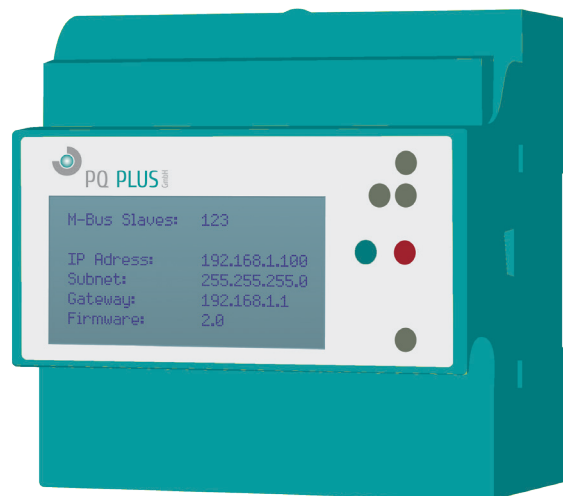
Automated meter reading guarantees fault-free and continuous data recording for later analysis and billing according to ISO 50001. All energy meters (e.g. electricity, water, heat, gas) with an M bus interface according to EN 13757-2,-3 are read out via a 2-wire line. A corresponding, simple user interface is used for configuration and data evaluation via an IP address with any common web browser.

In addition to the MID energy meters, the UMD 96M and UMD 704M can be connected to the PQ M centre. There is enough space for your energy data on the micro SD card (16 / 32 GB).

Features

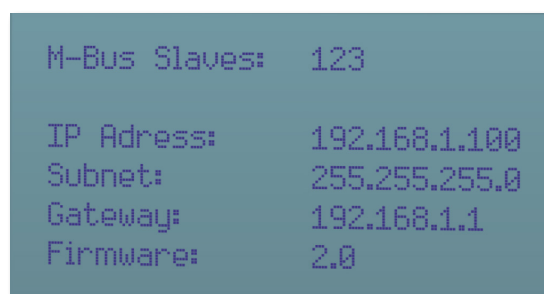
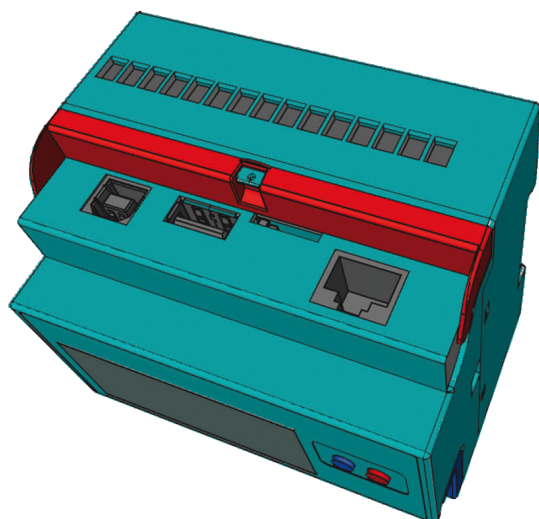
- Web server for graphical evaluation and professional data processing
- CSV, JSON, FTP upload
- IoT & Industry 4.0 ready
- M bus to BACnet IP gateway
- Firmware update & backup

Connections



Graphical LCD

Graphical 60x30 mm graphical LCD with background lighting for user-friendly configuration of the network settings.



Interfaces	1 x USB type A 1 x USB type B 1 x Ethernet 10/100 base RJ45
Inputs	3 x M bus 4 x S0 pulse input 2 x temperature PT1000
Outputs	2 x relay
Operating voltage	24 VDC
Current consumption	Max. 1 A

Designation	Number of devices	Item number
PQ M centre 20	up to 20 M bus devices	26.68.1020
PQ M centre 60	up to 60 M bus devices	26.68.1060
PQ M centre 120	up to 120 M bus devices	26.68.1120
PQ M centre 250	up to 250 M bus devices	26.68.1250

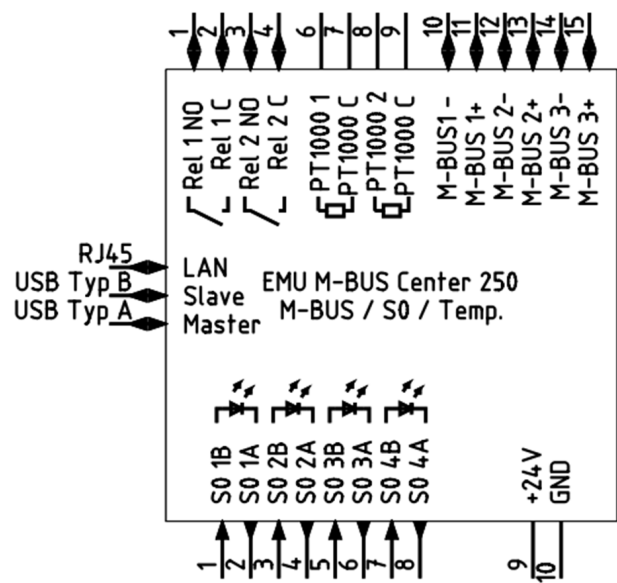
PQ M centre

Technical specifications

PQ M centre		
Inputs and outputs	Digital inputs/outputs	4 pulse inputs
	Relay inputs/outputs	2 outputs
	Analogue inputs/outputs	None
	Differential current inputs	None
	Temperature inputs	2 Pt1000 inputs -10 - 60 °C
Communication	Interfaces	3x M-Bus, Ethernet, USB-A, USB-B
	Communication protocols	M-Bus, BACnet IP, JSON, FTP
Further functions	Level converter	High-performance level converter integrated
	Data exports	.csv and JSON file, other formats upon request
Data logger	Storage capacity*	16 GB / 32 GB microSD card
	Measured value storage	Freely configurable measured values at different intervals
Electrical connection	Supply voltage	24 V variant: 20 - 28 V DC
	Power input	Max. 24 W
	Overvoltage category	CAT III / 300 V
M bus	Compatibility	Electric, heat, water, gas meters with M-Bus specified according to EN 13757-2, -3
	Max. current load*	375 mA (250x 1.5 mA)
	Baud rates	300, 600, 1200, 2400, 4800, 9600
	Addressing	Primary or secondary addressing
	Send Application Reset Code	Yes (can be deactivated)
	Send SND_NKE	Yes (can be deactivated)
BACnet IP	Device profile	B-ASC
	Function	M-Bus to BACnet IP Gateway
	Additional function	BBMD
Mechanical attributes	Operating temperature range	0 - 55 °C at < 95 % relative humidity
	Protection class	IP 20
	Dimensions WxHxD	90 x 90 x 67 mm
	Weight	0.4 kg
Internal real-time clock	Possible synchronisation	NTP/SNTP

* depending on the variant

Typical connection variant



Dimensional drawings

