

M-CME2100 GSM/GPRS M-Bus Master

The CME2100 is a flexible and cost-effective GSM/GPRS M-Bus master. It is ready to use with any M-Bus meter following the M-Bus standard protocol and often used with Procion AMR client. The CME2100 uses standard open protocol for fast and easy integration. The CME2100 is configurable by SMS and can receive software updates over the air. Its flexible and versatile design makes it simply the most powerful GSM/GPRS M-Bus master on the market.

Features

- Ready to User
- Standard Open Protocols; Transparent M-Bus, Email, HTTP, FTP
- Flexible; Easily Extended
- Cost Effective; All Typical Features in a Single Package
- Future Proof; Built-on Sun Java Platform, Automatic Updates

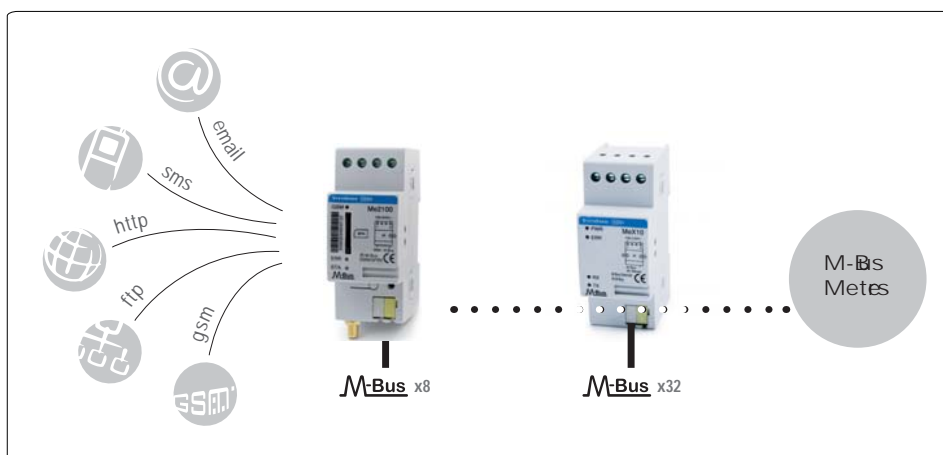


Model Type	Model	Description
	M-CME2100	GSM/GPRS M-Bus Master
Technical Data	Power Supply	100-240VAC +/-10% 50/60Hz
	Power Consumption	<2.5W (max) <1W (nominal)
	GPRS Class	Up to 12
	Band	850/900/1800/1900 MHz
	M-Bus Standard	EN13757 Full M-bus Decoder Implemented
	M-Bus Baud Rate	300 and 2400 bit/s
	Transparent M-Bus	Listening Server in TCP and GSM Data
	Maximum Devices	8 (can be extended using MEX Series Extenders)
	Maximum Cable Legth	1000m
	IR Interface	Yes
	User Interface	Green LED - Power Red LED - Error Yellow LED - GSM Status Push Button - Factory Reset
	Data Storage	~1.4MByte data storage for meter data and custom report configuration
	Real Time Clock Backup Time	12 hours
	RTC Accuracy	<2/day
	Script Engine	Intelligent script engine for active content generation
Firmware Update	Using GSM/GPRS/HTTP	
Software Update	Using GSM/GPRS/HTTP	

Integration	Transparent M-Bus over TCP/IP (static IP required) Transparent M-bus via GSM CSD/raw M-bus Data Email via SMTP FTP usign Standard FTP Client HTTP/HTTPS using POST & GET
Configuration	SMS, HTTP, FTP, GSM CSD, Telnet
Operating Temp	-20..+55°C
Storage Temp	-40° ..+85°C
Operating Humidity	80% rH up to 31°C, decreasing linear;y to 50% RH at 40°C
Agency Approvals	EMC: EN 61000-6-2, EN 61000-6-3 Safety: EN61010-1, CAT4
Mounting	DIN-rail
Housing	IP20 Polyamide
Dimensions	W65 x H100 x D36mm
Weight	120g

Standard Open Protocols

The standard open protocol design allows fast integration into existing billing and reporting systems such as Prodon AMR or other systems. Transparent M-Bus communication with GSM and TCP works with any software supporting the M-Bus standard. The Me2100 can send meter values using FTP, HTTP and email. The email report feature prevents firewall and IT-structure implementation problems.



Typical Network Diagram with Prodon Back Engine Software

The M-Bus is a low cost, 2-wire field bus system for reading and remote powering of consumption meters for heat, gas, water, electricity. The physical layer and basic elements of the protocol are defined in the european standard EN 13575.

