

MX-9 Wireless M-Bus GPRS Data Logger / Gateway

INTERFACES

RS232

RS485

M-Bus

Wireless M-Bus

Data/Req

Current Loop

Ethernet

GSM/GPRS

USB





FEATURES

- Reading data from meters (heat, water, gas, electricity...) and controllers
- Independent data log with real time stamp (Real Time Clock)
- Possibility to choose interfaces: Wireless M-Bus, M-Bus, RS232, RS485, Current Loop, Data/Req, USB, GSM/GPRS, Ethernet
- Wireless M-Bus up to 300 devices
- Remote communication over GSM/GPRS or Ethernet (RJ45)
- Galvanically isolated interfaces and power supply
- Power supply for external powering of meters
- Memory expansion: up to 8 GB using micro SD card

MX-9 data logger is dedicated for collecting the data via Wireless M-Bus and real time logging, analyzing of data. Using GPRS/GSM or Ethernet, logger sends data to remote users / server. MX-9 can also communicate with other controllers and sensors. Device has wide range of optional interfaces and protocols and can read any kind of meters, controllers and sensors equipped with standard protocols. Perfect for telemetry/monitoring, control and smart metering.

Application

Industrial monitoring



Commercial monitoring



Residential monitoring



Water/Heat metering



Electricity metering

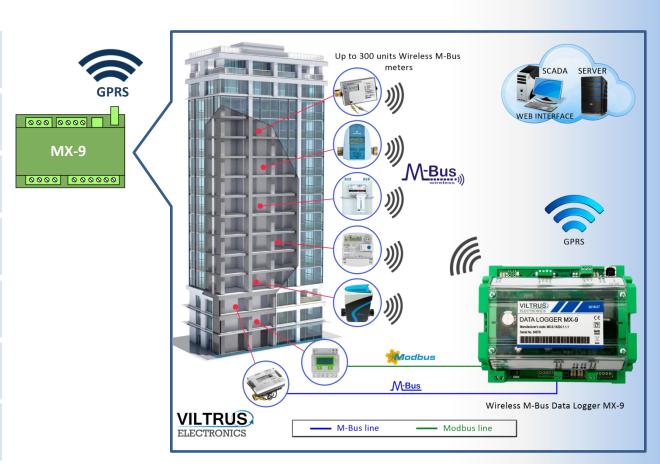


Gas metering



Controllers





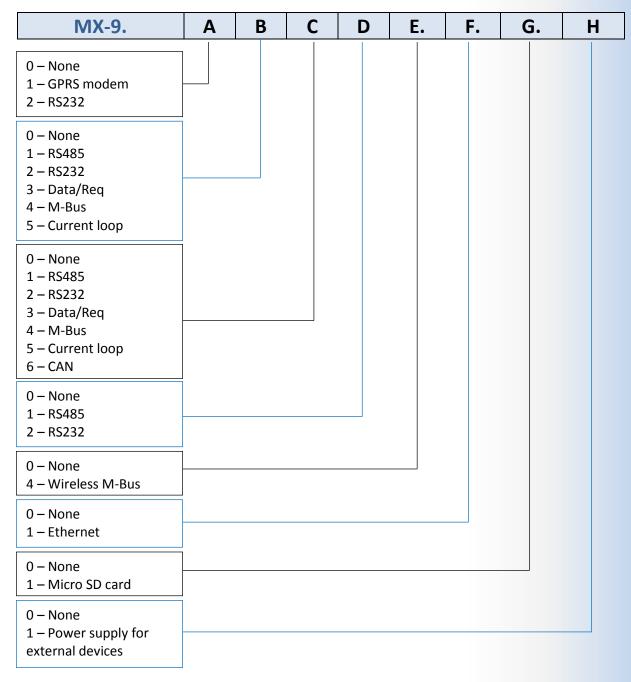
TECHNICAL SPECIFICATIONS

M-Bus auto setup Warranty period

2 years

Description	MX-9 data logger
CPU	ARM7
Flash	archive storage up to 8 MB, independent data storage without power about 5 years
External memory	up to 8 GB micro SD card
Interfaces	
RS232 (4 ports)	distance up to 15 m, speed up to 19,2 Kbit/s
RS485 (3 ports)	distance up to 1,2 km, max 32 transivers, speed up to 19,2 Kbits/s
M-Bus (2 ports)	up to 16 M-Bus devices (up to 8 M-Bus devices for each M-Bus port)
Wireless M-Bus (1 port)	up to 300 devices
Data/Req (2 ports)	(KAMSTRUP) data transfer interface
Current Loop (2 ports)	<30V, 14-20mA, up to 6 km, speed up to 19,2 Kbit/s
GSM/GPRS	4 band 850/900/1800/1900 MHz
Ethernet	10/100 Mbps, RJ45, distance up to 100 m
USB	ver. 2,0, type B
Protocols	
	P, IP, ICMP, UDP, TCP, DHCP, PPP, ARP, SNTP, IEC60870-5-104:2000, DynDNS, FTP
server, FTP client, DNS client	
General	0.00VP.0
Power supply	9-36 VDC
Over-voltage protection	>1000V
Power consumption	<10VA
Power for external devices	3,7/5/6/8/10 V (<20mA)
Interface galvanic isolation	500V
Physical characteristics	4.47v.4.20v.E0 mana
Dimensions	147x128x50 mm
Weight	450 g on DIN rail
Mounting type	
Protection type Climate conditions	IP20
	-25 to +60°C
Operating temperature Storage temperature	-40 to +60°C
•	5 – 95%, non-condensing
Humidity range	3 – 93%, Holl-Colldelishig
Programing and updating	
Remote	GSM/GPRS or Ethernet
Locally	RS232, RS485 or USB
LED indication	
Power	
Serial ports read/write for ea	ach port
GSM/GPRS modem status	
Ethernet status	
Other features	
Real time clock	

ORDERING CODE



Example: MX-9.10004.0.1.0 (GPRS, Wireless M-Bus, Micro SD card)

