

INTERFACES

M-Bus

RS485

RS232

GSM/GPRS

USB



FEATURES

- Reading data from meters (heat, water, gas, electricity...)
- Up to 25 any M-Bus devices connection possibility
- Supported interfaces: M-Bus, RS485, RS232, GSM/GPRS, USB
- Remote communication and updates through GSM/GPRS
- Memory expansion: up to 8 GB using micro SD card
- Galvanically isolated interfaces and power supply
- Power supply: 50-250VAC (50-60Hz)
- Mounting type: on DIN rail

MX-1 data logger is designed for data reading from meters (electricity, heat, water, gas and others) with M-Bus interface (up to 25 any M-Bus devices) or Modbus interface and storing/exchanging data between device and client's software through GSM/GPRS.

Application

Industrial monitoring

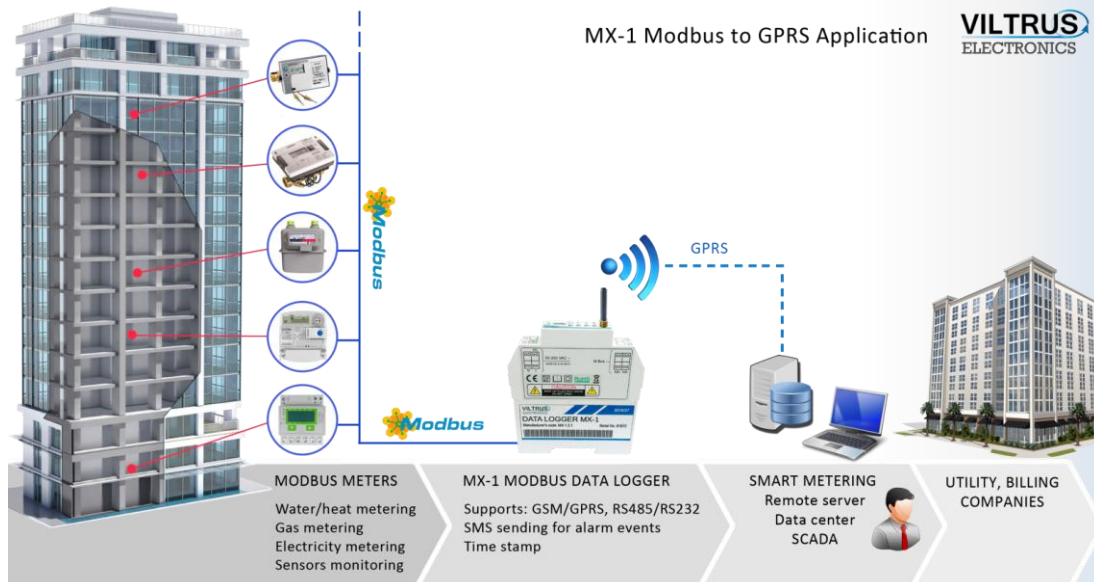
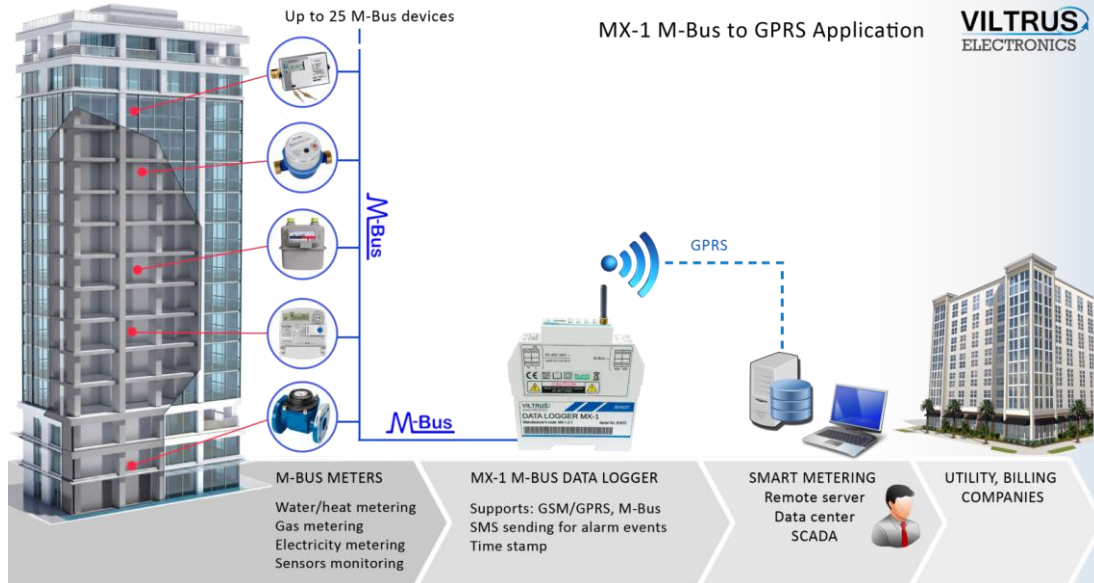
Commercial monitoring

Residential monitoring

Water/Heat metering

Electricity metering

Gas metering



TECHNICAL SPECIFICATIONS

Description		MX-1 data logger
CPU		ARM Cortex M4
Flash		archive storage up to 8 MB, data storage without power about 5 years
External memory		up to 8 GB micro SD card
Interfaces		
GSM/GPRS		4 band 850/900/1800/1900 MHz
M-Bus		up to 25 M-Bus devices
RS232		up to 15 m, speed up to 38400 Bit/s
RS485		up to 1,2 km, max 32 transceivers, speed up to 38400 Bit/s
USB		mini USB type B, ver. 2,0
Protocols		
		Modbus RTU, Modbus TCP/IP, IP, ICMP, UDP, TCP, DHCP, PPP, ARP, SNMP, MQTT
General		
Power supply AC		50-250V ~ 50/60Hz
Capacity		300mA MAX
Over-voltage protection		>1000V
Power consumption		< 9VA
Physical characteristics		
Dimensions		18x85x97 mm
Weight		105 g
Mounting type		on DIN rail
Protection type		IP20
Climate conditions		
Operating temperature		-25 to +60°C
Storage temperature		-40 to +60°C
Humidity range		5 – 95%, non-condensing
LED indication		
		Power
		M-Bus interface read/write and short circuit
		GSM/GPRS modem status
Other features		
Real time clock		+
Warranty period		2 years

ORDERING CODE

Order No.	Description
MX-1.4.1.0	M-Bus + micro SD card slot + USB
MX-1.4.1.1	M-Bus + micro SD card slot + Internal backup battery + USB
MX-1.1.1.0	Modbus (RS485) + micro SD card slot + USB
MX-1.1.1.1	Modbus (RS485) + micro SD card slot + Internal backup battery + USB
MX-1.2.1.0	Modbus (RS232) + micro SD card slot + USB
MX-1.2.1.1	Modbus (RS232) + micro SD card slot + Internal backup battery + USB