

Level Converter: M-Bus to RS485

HD67022M Serie - Available in 5 versions: 20-40-80-160-250 slaves

The M-Bus (or Meter-Bus) is a bus optimized for the reading of measurement instruments like: energy counters, hot and cold water counters, gas, pressure, sensors and actuators, etc...

A M-Bus system is composed of a Master that acquire data from the counters (Slaves M-Bus) that are connected to the Master through a two wire bus or by wireless

The number of Slaves connected to the bus can change from 1 to 250 (for the maximum length of 350m); for greater distance repeaters are used [serie **HD67032M**].

More and more manufacturer implement the M-Bus interface in their counters, making it the ideal support for the pricing of consumption at distance (GSM/internet/phone line...) of local or distributed heating systems (civil and industrial).

The M-Bus is comply to the standard defined by the EN 1434 normative.

- ◆ ADFweb.com offers some alternative Level Converter products with the use of RS232, Modem, Internet/Ethernet, USB and Bluetooth.

M-Bus Master / RS485

The products of HD67022M serie are level converters that allows the communication between a PC/PCL and the Slaves M-bus.

The serial used for the connection with the PC/PLC is a RS485.

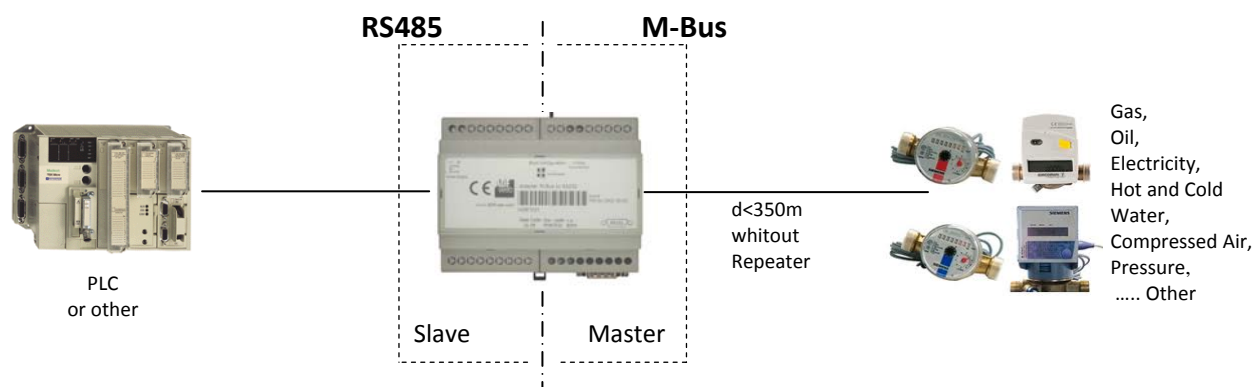
The use of RS485 is recommended because this link allows to have the PC, or other system, at a distance of 1200m from the level converter; unlike the RS232 where the recommended maximum cable length is 15m.

The HD67022M allows to develop the own software for register and process the data (for example for the charging users); or use the existing programs.

The M-Bus is able to powering from up to 250 slaves.

The microprocessor control guarantees a stable communication with the slaves M-Bus.

- European standard EN 1434
- Microprocessor control
- Scalable from 1 to 250 slaves
- Galvanic isolation between RS485 and M-Bus
- 35 mm DIN rail mounting
- Settable transmission speed from 300 to 38400 baud



Quick
PRICE



Order Code	HD67022M-20 20 slaves	HD67022M-40 40 slaves	HD67022M-80 80 slaves	HD67022M-160 160 slaves	HD67022M-250 250 slaves
Technical data:					
Operating voltage:	18V .. 35V DC 15V .. 21V AC	18V .. 35V DC 15V .. 21V AC	18V .. 35V DC 15V .. 21V AC	18V .. 35V DC 15V .. 21V AC	18V .. 35V DC 15V .. 21V AC
Consumption single slave:	1,5 mA	1,5 mA	1,5 mA	1,5 mA	1,5 mA
Min / Max load consumption:	3,5W / 4W	3,5W / 5W	3,5W / 8W	3,5W / 14W	3,5W / 30 W
M-Bus voltage (without load):	34V	38V	38V	38V	38V
Max. M-Bus quiescent current:	30mA (20 unit loads)	60mA (40 unit loads)	120mA (80 unit loads)	240mA (160 unit loads)	375mA (250 unit loads)
Overcurrent threshold:	250mA	250mA	250mA	500mA	500mA
Transmission speed RS232:	300 .. 115.200 baud	300 .. 115.200 baud	300 .. 115.200 baud	300 .. 115.200 baud	300 .. 115.200 baud
Transmission speed RS485:	300 .. 115.200 baud	300 .. 115.200 baud	300 .. 115.200 baud	300 .. 115.200 baud	300 .. 115.200 baud
Transmission speed M-Bus:	300 .. 38.400 baud	300 .. 38.400 baud	300 .. 38.400 baud	300 .. 38.400 baud	300 .. 38.400 baud
Galvanic Isolation to M-Bus	yes	yes	yes	yes	yes
Temperature range °C [°F]:	-40/+70°C [-40/+158°F]	-40/+70°C [-40/+158°F]	-40/+70°C [-40/+158°F]	-40/+70°C [-40/+158°F]	-40/+70°C [-40/+158°F]
Dimensions DxWxH	106x60x95 mm	106x60x95 mm	106x60x95 mm	106x63x95 mm	106x75x95 mm



ADFweb.com srl
Strada Nuova, 17
31010 Marenco di Piave
Treviso — ITALY
www.adfweb.com

Tel. +39-0438-30.91.31
Fax +39-0438-49.20.99
Id. Tax IT-0385360262
info@adfweb.com



QR—quick response
(matrix code)

info M-Bus Master HD67022M

