

# HD67029-B2 (20-40-80-160-250 slaves)

## Protocol Converter HD67029-B2 serie:

Produced by ADFweb.com, is used like language converter from Modbus Protocol to M-Bus and vice-versa, for read M-Bus instruments (Slave) from a Master Modbus

### Modbus:

Is the protocol most frequently used in the industrial and civil automation for the communication with several devices connected in the same net.

Defines the format and the communication mode between a Master, that control the system, and one or more slaves that answer to the master queries.

This can be, for example, a system for measuring temperature, humidity, pressure, hot and/or cold water, etc. ... and allows communication with PC/ PLC.

There are two types of Modbus, divided into the serial RTU and ASCII, and the one on Ethernet, the Modbus TCP.

### M-Bus:

Is a specific protocol used for the reading of Energy, hot and cold water, gas, pressure, etc. ... of counters and totalizers.

Usually the M-Bus uses a specific physical connection (Physical Layer), but in some cases it uses a RS232 or RS485 [see [HD67055](#)].

### Other Solution Protocol Converter Modbus / M-Bus:

Several solutions implemented to cover all the cases presented by the market:

- M-Bus / Modbus, for read Modbus instruments [slave] from a Master M-Bus [see [HD67059-B2](#)];
- Modbus / M-Bus, for read M-Bus instruments [slave] from a Master Modbus but with the Slaves M-Bus on RS232 or RS485 [see [HD67055](#)];
- Modbus / M-Bus, MultiMaster M-Bus allows to read M-Bus Slaves simultaneously from a Master M-Bus and from a Master Modbus [see [HD67063](#)].

## Modbus to M-Bus HD67029-B2

The products of HD67029M series are protocol converter between Modbus and M-Bus. The Modbus connection is through RS232 or RS485.

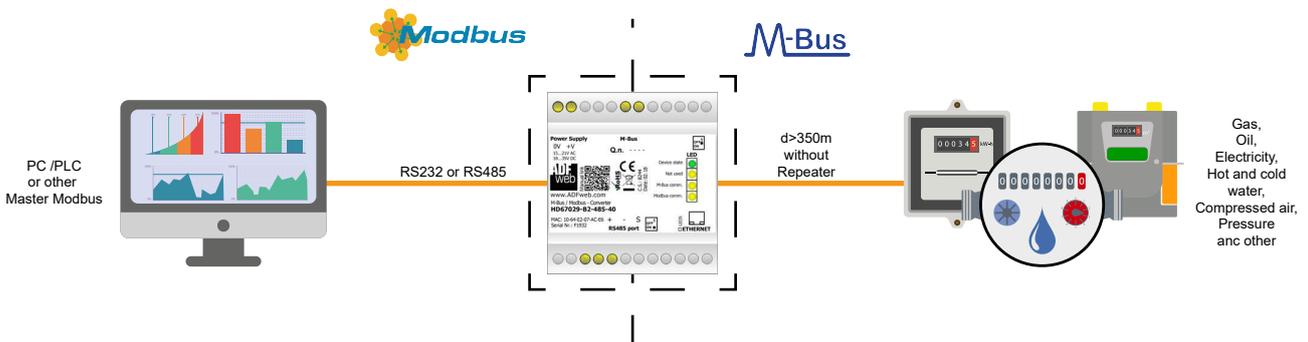
The converter is Slave at Modbus side and Master at M-Bus side.

The M-Bus Master allow to connect and to feed up to 250 slaves for length of 350m.

For longer lengths, or with more than 250 slaves, the use of repeaters field [[HD67032-B2 series](#)] is suggested.

- European standard EN 1434;
- Microprocessor control;
- Scalable da 1 a 250 slaves;
- Galvanic isolation between Modbus and M-Bus;
- 35 mm DIN rail mounting;
- Settable transmission speed from 300 to 38400 baud;
- AC/DC Power supply.

Quick  
PRICE



Order Code	HD67029-B2-20	HD67029-B2-40	HD67029-B2-80	HD67029-B2-160	HD67029-B2-250
Technical data:	20 slaves	40 slaves	80 slaves	160 slaves	250 slaves
Operating voltage:	18V .. 35V DC 15V .. 21V AC				
Consumption single slave:	1,5 mA				
Min / Max-load consumption:	3,5W / 4W	3,5W / 5W	3,5W / 8W	3,5W / 14W	3,5W / 30W
M-Bus voltage (without load):	34V	38V	38V	38V	38V
Max. M-Bus quiescent current:	30mA	60mA	120mA	240mA	375mA
Overcurrent threshold:	250mA	250mA	250mA	250mA	250mA
Transmission speed RS232/RS485:	1200..115.200 baud				
Transmission speed M-Bus:	300..38.400 baud				
Galvanic Isolation to M-Bus:	yes	yes	yes	yes	yes
Temperature range °C / °F:	-40/+70°C	-40/+70°C	-40/+70°C	-40/+70°C	-40/+70°C
Dimensions DxWxH:	95x71x60 mm				



QR - quick response (matrix code)



info Modbus to M-Bus HD67029M serie