

# Communication modules

To be combined with UEC1P5, UEC6C & UEC80 series

- Compact size (1-2 DIN modules)
- Easy to use: no physical connection thanks to optical port to be combined with the energy meter
- Possibility to switch the use of the communication module according to the required application
- Modules: RS485 Modbus, M-Bus, LAN Gateway



## » General description

Compact communication modules suitable for managing energy meters in industrial and civilian application. Thanks to the optical port, the communication with energy meters is quick and easy.

All modules can be combined with the following meters:

- 6A three phase
- 80A three phase
- 80A single phase

### RS485 Modbus

RS485 module allows to collect and transmit measurements data of the connected meter to a remote station. This data is transmitted on a RS485 line, using MODBUS RTU or ASCII protocols. MODBUS is the most popular communication protocol designed to allow industrial equipment to communicate. RS485 module is provided with a SET DEFAULT key to reset all communication parameters to factory default values. This function is very useful, i.e. in case of MODBUS logical address forgotten. Two LEDs on the RS485 module provide information about power supply status and communication status.

### M-Bus

M-Bus module allows to collect and transmit measurements data of the connected meter to a remote station using M-Bus protocol. M-Bus (Meter-Bus) is a European standard for the remote reading of consumption meters. A free dedicated software is provided for module configuration and for displaying the detected measurements.

### LAN Gateway

LAN Gateway module allows to manage a single energy meter by any PC connected to Internet/LAN by means of a simple web browser. LAN Gateway module web pages are designed to be cross browser compliant: Internet Explorer, Mozilla Firefox, Apple Safari, Google Chrome, Opera, Netscape navigator are all supported web browsers. Another supported feature is MODBUS TCP protocol. MODBUS TCP is the most popular communication protocol designed to allow industrial equipment to communicate over a network. The use of MODBUS TCP provides a totally scalable solution according to the needs. LAN Gateway module is provided with a SET DEFAULT key to reset all communication parameters to factory default values. This function is very useful, i.e. in case of IP address forgotten.

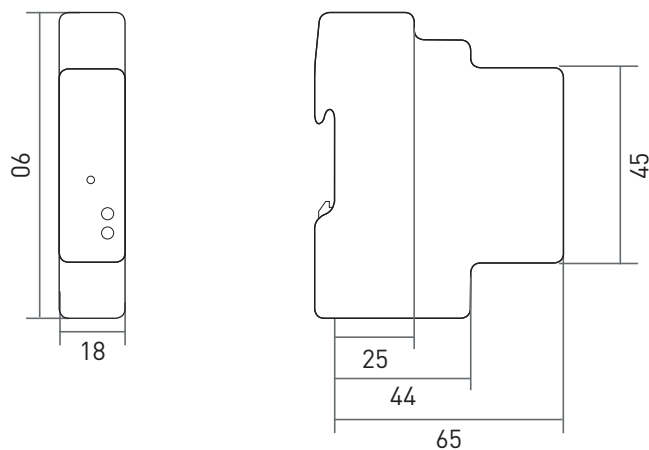
Two LEDs on LAN Gateway module provide information about link activity and status.

## » Related products

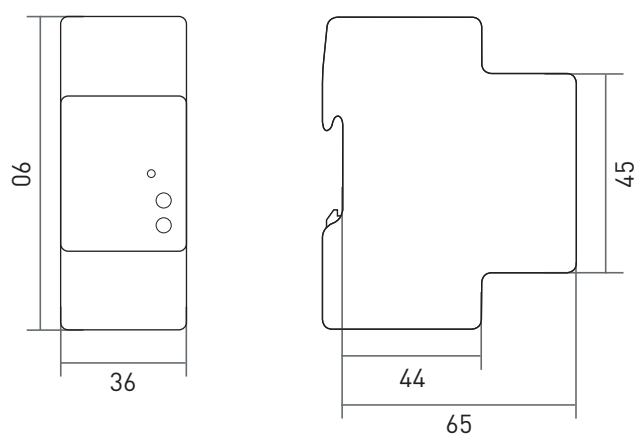
- UEC1P5-D, UEC6C-X, UEC80-D, UEC80-2D

## » Technical drawing

## RS485 Modbus, M-Bus communication modules



## LAN Gateway communication module



ORDER CODE	MODEL	POWER SUPPLY	COMMUNICATION PORT			USER MANUAL LANGUAGES		
			RS485 MODBUS	M-BUS	ETHERNET	IT/EN	DE/EN	FR/EN
<b>COMMUNICATION MODULES</b>								
1112.0001.0001	RS485 MODBUS	230VAC ±20%	●			●		
1112.0005.0001	RS485 MODBUS	230VAC ±20%	●				●	
1112.0009.0001	RS485 MODBUS	230VAC ±20%	●					●
1112.0002.0001	M-BUS	Through bus connection		●		●		
1112.0006.0001	M-BUS	Through bus connection		●			●	
1112.0010.0001	M-BUS	Through bus connection		●				●
1112.0003.0001	LAN GATEWAY	230VAC ±20%			●	●		
1112.0007.0001	LAN GATEWAY	230VAC ±20%			●		●	
1112.0011.0001	LAN GATEWAY	230VAC ±20%			●			●

Softwares for meter remote management (MODBUS Master, M-BUS Master) downloadable for free at [www.algodue.com](http://www.algodue.com)

NOTE: Subject to change without notice



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