



## Product Description

The NETIX NCCMBUS device has been designed to simplify the connection of meter installation with a Building Management System.

By applying the most popular interfaces for M-Bus and Modbus meters, the device is able to handle 180 meters of various types simultaneously.

The M-Bus interface allows communication and supply with power up to 60 M-Bus meters. The maximum current may not exceed 130mA.

The RS485 interface allows a connection of up to 128 Modbus devices

The device address and baud rate for Modbus are set by using DIP switches. The built-in TCP/IP interface provides the ability to use the existing LAN infrastructure and also allows to build a scattered meters monitoring systems.

NCCMBUS device configuration is possible from the built-in web services level and by using free tool such as a NETIX Configurator.

## Features and Benefits

- ▶ M-Bus TCP/IP to M-Bus gateway
- ▶ Modbus TCP/IP to Modbus RTU/ASCII gateway
- ▶ Up to 180 meters of various types
- ▶ Two independent gateways operating simultaneously in one device
- ▶ Built-in power supply for up to 60 M-Bus meters
- ▶ Direct connection for up to 6 M-bus branches
- ▶ Built-in Mini USB port for configuration and firmware updates

## Technical Information

<b>Platform</b>	ARM Cortex-M3
<b>Power Supply</b>	24V AC/DC
<b>Housing</b>	
<i>Dimension</i>	35 X 110 X 62mm
<i>Construction</i>	Plastic, Self-Extinguishing (PC/ABS)
<i>Cooling</i>	DIN rail mounting DIN (DIN EN 50022 norm)
<b>Communication</b>	<ul style="list-style-type: none"> <li>▶ Interface M-Bus Master according to EN13757-2 Interface RS485 half duplex</li> <li>▶ 1x Fast Ethernet</li> <li>▶ Protocols: M-Bus and Modbus</li> <li>▶ M-Bus baud rate: 300 to 38400 bps</li> <li>▶ Modbus baud rate: 2400 to 115200 bps</li> </ul>
<b>Connectors</b>	<ul style="list-style-type: none"> <li>▶ 12x screw connector max 2,5 mm2.</li> <li>▶ Direct connection for up to 6 M-Bus branches</li> <li>1x RS485</li> <li>▶ 1x RJ45</li> </ul>
<b>Supported Device</b>	<ul style="list-style-type: none"> <li>▶ Up to 60 M-Bus meters</li> <li>▶ Up to 128 Modbus Slave devices</li> </ul>
<b>Galvanic Isolation</b>	▶ 3 kV AC/DC for all interfaces & power supply
<b>Environment</b>	<ul style="list-style-type: none"> <li>▶ Operating temperature: -10°C to 50°C</li> <li>▶ Storage temperature: -40°C to 85°C</li> <li>▶ Relative humidity: 5% to 95%, no condensation</li> <li>▶ Ingress Protection Rating: IP40 - for indoor installation</li> </ul>

## Order Codes

NCCMBUS	MODbus/Mbus - MODbus/Mbus IP Gateway
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