



Transmission of M-Bus or wM-Bus data from single meters via NB-IoT

You have to feed data from individual meters in the internet (in the cloud)?

What is worse, your meters are in rooms difficult to access in which a network connection is unavailable and it is hard to pick up mobile radio connection?

Then our latest data concentrator MUC.one is exactly the right choice!

At present, our products contribute substantially to enhance energy efficiency in industry and commerce, while the end-use consumer respectively private household with his single meter does not contribute significantly as of now. A disproportionate effort-benefit ratio entails a high price sensitivity. The MUC.one will fill this gap.



It transmits M-Bus respectively wM-Bus data of individual meters via NB-IoT in the internet (in the cloud). Meter data can thus be transmitted fast and easily even in case of bad mobile radio connection or without network connection. The design optimising both investment and functions combined with globally acknowledged standard technologies makes it your adequate choice in the international mass market.

The MUC.one is configured locally via WLAN/WiFi.

With its support of the XML format, the MUC.one is compatible to numerous systems for automated meter reading (AMR) and energy data management systems (EDM). It also masters the data export to CSV or JSON files.

The data transmission itself can occur encrypted or unencrypted via MQTT or HTTP to an energy management system, billing system or for visualisation purposes.

Technical data

Power supply	230 VAC, 1 W idle
Interfaces	M-Bus according to EN 13757-2, spring terminals; wM-Bus according to EN 13757-4 and OMS, internal antenna, 868 MHz; WLAN (WiFi): 802.11 b/g/n, internal antenna; NB-IoT (LTE CAT-NB), internal antenna, Micro-SIM
Dimensions	80 x 113 x 60 (W x H x D) in mm, without antenna connectors
Mounting / protection class	Wall mounting / IP67
IP address	Freely configurable or via DHCP
Web server	Integrated
Max. baud rate	9600 bps
Number of slaves	Max. 3 (M-Bus, wM-Bus)
Weight	approx. 220 g