



## Product description

The SWAN directly links a wireless M-Bus device (e.g. an utility meter) to a user application server by means of the new LTE Cat NB1 narrowband cellular network technology.

It can easily be configured and paired with a wM-Bus device by connecting a common terminal program to the USB service port.

The OMS compliant wireless M-Bus interface operates at both 868 and 915 MHz and supports mode S, T and C frame format A and B. Either synchronous or asynchronous receiving modes can be configured.

The gateway is available in versions for LTE band 5, 8 and 20 respectively. Both the Huawei/Neul-IoT and UDP protocols are supported. The raw and not decrypted wM-Bus data are uploaded in user configurable intervals.

By default all wM-Bus datagrams received in between the uploads are discarded, only the most recent will be sent. Special data handling modes can be configured upon request.

## NB-IOT / LTE CAT.NB1

### Low-Power-Wide-Area-Network Technology

The Narrowband IoT (NB-IoT) standard LTE-Cat-NB1 is a brand-new 3GPP licensed low-power wide-area network (LPWAN) radio technology for M2M communication over the existing LTE cellular infrastructure.

This cost-effective solution for small data rates offers very high coverage and deep building penetration at low power requirements and long battery lifetime.

## Features:

- 3GPP licensed technology
- Ideal for smart metering
- Deep building penetration
- Low power consumption
- wM-Bus mode S, T and C
- 868 and 915 MHz
- Synchronous and asynchronous receiving
- OMS compliant
- LTE band 5, 8 and 20
- Huawei/Neul-IoT and UDP protocols
- Micro SIM card holder
- Configuration and firmware update over USB
- Customized solutions

Versions	Capacity	Lithium	L	W	H
	mAh	g	mm	mm	mm
<b>A001-0055-01</b>					
<b>1x D-cell</b>	13'000	3,3	85	73	38
<b>A001-0055-02</b>					
<b>1x C-cell</b>	6'500	1,8	85	73	30
<b>A001-0055-03</b>					
<b>2x A-cell</b>	7'600	2x 0,9	85	73	22

