

Holosys NB-IoT Bridge



Holosys NB-IoT **Bridge** is a module used for automated collecting of consumption data from various types of utility meters (water, gas, electrical energy etc.). The module is capable of receiving telegrams compatible with the Wireless M-Bus standard. The collected meter readouts are transmitted over the NB-IoT network that has the advantage of strong signal coverage, less infrastructure, easy maintenance and reliable data transfer for AMR scenarios.

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**Receiving readouts
from up to 5 wireless
M-Bus devices**



**LTE Cat NB2
– band B20
(others on demand)**



**Local and
remote device
configuration**



**Possible adjustment
to Sensus RF
protocol**

- Battery life time: up to 10 years (depending on device configuration and network radio signal quality)
- Operating temperature: -20°C ... 80°C
- Adjustable periodic interval of measurement sampling
- Adjustable and pseudorandom measurement delivery sending interval to avoid network congestion
- Protection type: IP68
- Device delivers the readouts to the Holo-IoT cloud platform from which the data is forwarded to the user or third party systems
- Local and remote device configuration
- Monitoring network and device performance through the Holo-IoT platform
- Embedded Real-Time Clock (RTC)
- Possibility of remote firmware update
- Guaranteed readout delivery in the event of network failure (the device stores up to 100 readouts internally and delivers them once the network connection has been restored)
- Possible synchronization with a repeater device
- Available network information: CE level, CSQ, Cell ID
- Battery voltage information



TECHNICAL CHARACTERISTICS

Radio interface	
LTE Cat NB2	Frequency band B20 (other bands on demand) Max. output power ≤ 23dBm
Radio	868 or 433 MHz bands
Antenna type	Internal
ETSI receiver category	Category 2
General data	
Power supply	Integrated battery (non-chargeable) Nominal voltage = 3,6 V d.c. Battery life time (25°C): ~10 years (depending on the configuration)
Housing	Material: Thermoplastic Dimensions (w x h x l): 77 x 77 x 35 mm Color: Light gray Protection type: IP68 Mounting: Bolts on the mountable surface
Operating temperature range	-20°C ...+80°C
Weight	212 g