



Holosys HoloSphere MS

Holosys HoloSphere MS is an indoor NB-IoT gateway used for automatic collecting of consumption data from different types of utility meters (water, gas, electricity, etc.). The device can receive telegrams compatible with the Wireless M-Bus standard on 433 or 866 MHz frequency and it supports up to 100 Wireless M-Bus subdevices, depending on the power supply version (replaceable battery or network-powered). It has an LTE Cat NB2 multi-band support with interchangeable external antennas and comes with a local and remote device configuration possibility.

100

Receiving readouts from up to 100 wireless M-Bus devices



LTE Cat NB2 multi-band device



Local and remote device configuration



Possible adjustment to Sensus RF protocol

- Monitoring network and device performance through the Holo-IoT platform

- Available as battery or external powered version

- Operating temperature: 0°C ... 50°C

- Embedded Real-Time Clock (RTC)

- Adjustable periodic interval of measurement sampling

- Possibility of remote firmware update

- Adjustable and pseudorandom measurement delivery sending interval to avoid network congestion

- Guaranteed readout delivery in the event of network failure (the device stores readouts internally and delivers them once the network connection has been restored)

- Protection type: IP54

- Device delivers the readouts to the Holo-IoT cloud platform from which the data is forwarded to the user or third party systems

- Stronger and user replaceable battery

- Battery life time: up to 10 years (depending on device configuration and network radio signal quality)

- Available information: CE level, CSQ, Cell ID, battery voltage

- Local and remote device configuration



TECHNICAL CHARACTERISTICS

Radio interface	
LTE Cat NB2	Frequency band: Multiband support Max. output power \leq 23dBm
Radio	868 or 433 MHz bands (external antennas)
Antenna type	External
ETSI receiver category	Category 2
General data	
Power supply	Option 1: Battery: D-cell battery (user replaceable) Option 2: Externally powered
Housing	Material: Thermoplastic Dimensions (w x h x l): 176 x 83 x 51 mm Color: Light gray Protection type: IP54 Mounting: Bolts on the mountable surface
Operating temperature range	-0°C ...+55°C
Weight	300 g