



ECHO Rep

- ✓ Receiving consumption data from Sensus RF or Wireless M-Bus OMS compatible devices
- ✓ Transferring collected consumption data over LTE Cat NB I – frequency band B20
- ✓ Remotely updating firmware

ARSS **ECHO Rep** is a device used for automated reading of meter consumption from utility devices (water, gas, electrical energy, heating etc.). The module is capable of receiving telegrams compatible with Sensus RF or Wireless M-Bus OMS. The collected meter readouts are transmitted over the NB-IoT network already built-out network of mobile operators.

✓ KEY FEATURES

- Battery life time: up to 10 years (depending on device configuration and network radio signal quality)
- Protection type: IP68
- Operating temperature: -20°C ... 80°C
- Collecting consumption data from up to 5 Sensus RF or OMS Wireless M-Bus devices
- Adjustable and pseudorandom measurement delivery sending interval in order to avoid network congestion
- Collecting consumption data interval is adjustable
- Embedded Real-Time Clock (RTC)
- Guaranteed measurements delivery even in the event of network failure (the device stores the measurements internally and delivers them once the network connection has been restored. In the event of an overflow, the device will delete the oldest one, first in first out principle)
- The devices deliver the measurements to the AURA cloud from which the readings are forwarded to the user or third party systems
- Possibility of remotely updating firmware
- Monitoring network and device performance through AURA cloud
- Remote configuration of the device

TECHNICAL CHARACTERISTICS

Radio interface

Frequency
Antenna type
SIM card

LTE Cat NbI - frequency band B20
Internal
Chip SIM in MFF2 format (6 x 5 mm) compliant with ETSI TS 102.671

General data

Power supply
Housing

Integrated battery; Battery life time (25°C): ~10 years (depending on the configuration)
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
Weight

20°C ... +80°C
168 g

