ECHO Rep

- Receiving consumption data from Sensus RF or Wireless M-Bus OMS compatible devices
- Transferring collected consumption data over LTE Cat NB1 – 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	LTE Cat Nb1 - frequency band B20
Antenna type	Internal
SIM card	Chip SIM in MFF2 format (6 x 5 mm) compliant with ETSI TS 102.671
General data	
Power supply	Integrated battery; Battery life time (25°C): ~10 years
Housing	(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	20°C ...+80°C
Weight	168 g

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