



**SICE ATRS0054 wMBUS LoRaWAN Bridge V2.0** is a cost-effective & energy efficient bridge / range extender, that receives, caches and transparently forwards wireless M-Bus (C1, T1, S1 modes) and Sensus RF BUP metering data from utility meters via any LoRaWAN® network onto the Internet. The metering data will not be decrypted by the device instead an unchanged 1:1 forwarding takes place via one or more LoRaWAN® packets (depending on the wMBUS telegram byte size). Thus the end-to-end encryption of sensitive wireless M-BUS consumption data is preserved.

## Features

**Frequency Range**  
863 to 870 MHz

**TX Power**  
≤ 14 dBm

**LoRaWAN Protocol**  
Class A LoRaWAN 1.0.2 EU868  
(certified)  
Class A LoRaWAN 1.1 EU868  
(experimental)

**Encryption**  
AES128

**Typically RF range**  
≤ 2km

**Ideal RF range**  
≤ 10km (free line of sight)

**Housing Material**  
Industrial polycarbonate

**Rating**  
IP67

**Operating temperature range**  
-20°C to +55°C

**Max. Installation height**  
2m

**Size**  
122 mm x 82 mm x 55 mm

**Current consumption**  
≤ 3 mA

**Power supply**  
3.6V ER34615 3.6V battery