

# AMBILL® Smart Link II

Wireless M-Bus to Wired M-Bus Converter



## Applications

AMBILL® Smart Link II is a small device which converts wireless M-Bus signals into a wired M-Bus.

AMBILL® Smart Link II handles different wireless M-Bus protocols (mode T1/T2 and C1) in the ISM band (868 MHz) for water, heat, cooling, gas and electricity meters.

AMBILL® Smart Link II is configurable. Configuration is performed with a dedicated application software, using either an USB wireless M-Bus dongle or the wired M-Bus network. Both setup of the connected meters, communication modes and encryption level can be configured.

### Features

- Bidirectional wireless communication link
- Fully supports wired M-Bus (EN 13757-3)
- Fully supports wireless M-Bus (EN13757-4)
- Compact design allowing easy installation and flexible placement in the tight spaces
- 0.5 m wire for wired M-Bus
- One M-Bus converter handles up to 4 individual meters

### Configuration

- Up to 4 meters can be configured individually
- Settings for wireless M-Bus devices of type gas, water, heat or electricity are supported
- Setting of unique device ID supported
- Individual and configurable encryption AES keys for virtual meters and configuration interface
- Firmware upgrade capability / SW-upgrade over wired M-Bus
- Quick and simple installation procedure of wireless connections

Dimensions	
L x l x H	50mm x 40mm x 12mm
Side view	
Top view	
Protocols	
OMS	Version 3 and 4
DSMR	2.2 and 4.x
Reporting	RAW reported available
Unencrypted	Supported
Radio	
Frequency	ISM 868 MHz
Supported Modes	T1/T2 and C1
Radio range	up to 300 meters LOS (Line of sight)
Power	7 M-Bus loads
Output power	+10 dBm
Sensitivity	-95 dBm
Operation conditions	
Ambient temperature range	-25°C - +55°C
Protection Class	IP 54
Approvals	
EMC	DIRECTIVE 2014/30/EU
RED	DIRECTIVE 2014-53-EU
RoHS2	DIRECTIVE 2011/65/EU
REACH	EC 1907/2006
WEEE	DIRECTIVE 2012/19/EU