



NES Meter Interface

Collecting and managing data of various metering systems

The communication module serves as a gateway between the wireless network and the NES electricity meter power line communication. The NES Interface is capable of collecting meter readings from up to 16 different meter units in one system.

Key features are:

- Fits into NES IEC-type electricity meters
- Wireless M-Bus
- Zigbee SE 1.2 HAN (only for high-volume)

Smart solution for metering

The NES Meter Interface is based on a DevCom module with a data flash for firmware update via Power Line Communication.



Customizable
Easy installation
Real-time data monitoring

The NES Meter Interface can be used to interact with different kinds of meters e.g. water, gas, and heating meters connected to the wireless network for data storage and management.



NES Meter Interface - Technical specifications

General

Dimensions (W x H)	58 x 27 mm		
Power supply	Supplied by the meter		
Power consumption	0.5 W max		
Radio	Zigbee	Wireless M-Bus	
	Sensitivity: -98 dBm	Sensitivity: -97 dBm (V3: -107)	
	Output power: 8 dBm	Output power: +12 dBm	
	Frequency: 2.4 GHz	Frequency: 868 MHz	
Environment	Operation temperature -10 to +70°C		
	Storage temperature: -40 to +85°C		
	Relative humidity 5% - 85%, non condensing		

Functions

Sensitivity range	Indoor: 20-40 m (typical) Outdoor: up to 300 m (LOS)		
Antenna	On-board (PCB)		
Data storage	On-board data flash for OTA (via PLC)		

Communication

	GEN 3 Under Cover	GEN 3 - Slide-In (DK Cover)	GEN 4 Under Cover
Zigbee Home Automation	MINZH-103*	MINZH-203*	MINZH-303*
Wireless M-Bus	MINWM-101	MINWM-201*	
Wireless M-Bus Long Range	MINWM-102*	MINWM-202	MINWM-302*
Wireless M-Bus Long Range ext.	MINWM-112*	MINWM-212	MINWM-312*
Wireless M-Bus/LoRa	MINWL-101*	MINWL-201	MINWL-301*
Wireless M-Bus/LoRa ext.	MINWL-111*	MINWL-211	MINWL-311*
Ethernet	MINET-101*	MINET-201*	MINET-301
Wifi	MINWI-101*	MINWI-201*	MINWI-301*

*Only for high volume deployment

Certifications

CE, ETSI
RoHS compliant according to the
EU Directive 2002/95/EC