



### Main technical characteristics

Characteristic	Smartbirds Wifi	Smartbirds LTE-M
Device compatibility	Smart Meter with P1 port	
Server communication	Wifi 2.4GHz BGN	Wifi 2.4GHz BGN and LTE-M with internal antenna and SIM card
Physical Communication	2 x Female connectors RJ12 located on the backside of the dongle 1 x Cable with two male RJ12 connectors	
Software-level Communication	MQTTS communication	
Power Supply	Via P1 port, no external power supply needed	
Power Consumption	Max 0.5 W (5V - 100 mA), provided by the P1 port	
Mechanical support	Choose between installation with screws or magnets provided in the box	
Dimensions	H 77 x W 77 x D 23 mm	
Enclosure material	Certified Recycled PS	

### Energy Monitoring with Market Access and the possibility to upgrade to Energy management

The Smartbirds device is a gateway for near real-time data acquisition on any European Smart meter with standardized P1 port. The device extracts the data from the Smart meter every 10 seconds. Smartbirds allows the user to acquire and visualize the data and subscribe to high added value services. You can propose those services based on your customer's data and consent via the app. Once upgraded to the energy management system, it allows the integration and interaction with the customer's assets.

Smartbirds device is provided with white label apps. The Smartbirds device exists in two models: Wifi device, when the customer has WiFi near the meter, or LTE-M device when the customer cannot rely on Wifi near the meter. In that case the data will be transmitted through narrow band IoT network. Installation with the app is straightforward and requires no specialized knowledge.

### Architecture overview

