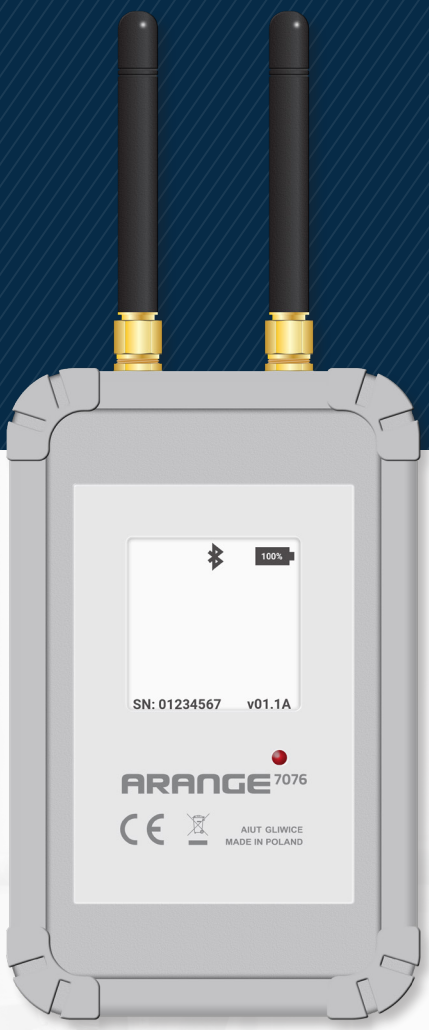
AIUNEO aiut brand

ARANGE 7076

Universal module for multi communication

Bluetooth



- Wireless communication
- Bluetooth Low Energy
- Robust design
- E-paper display
- USB charging

ARANGE 7076 is a smart module supporting various local wireless technologies. Its flexible design makes it the ideal device for bidirectional communication with IoT devices and 3rd party smart meters within Smart Metering Systems. With Bluetooth technology, ARANGE 7076 connects securely and wirelessly with most Bluetooth (v. 4.1 or higher) enabled smartphones available in the market and enables convenient configuration and walk-by readouts.

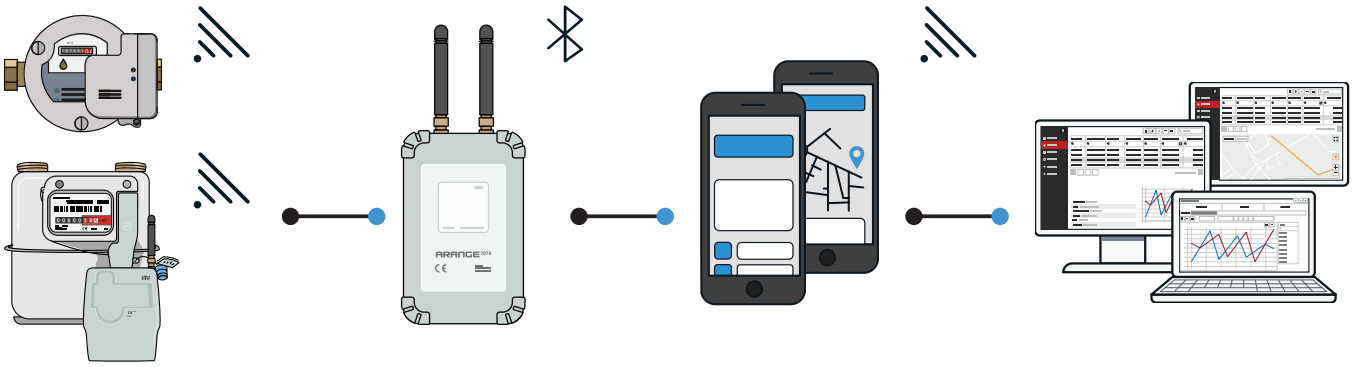
Its clean-cut elegant housing is equipped with an e-paper display that requires minimal energy, ensures perfect readability in the sunlight and unlimited viewing angles. A compact design and rechargeable battery make ARANGE 7076 fully portable and convenient for use at any time and any place.

aiut

AIUT sp. z o.o. ul. Wyczółkowskiego 113, 44-109 Gliwice, Poland
Tel.: (+48 32) 77 54 000 Fax: (+48 32) 77 54 001
www.aiuneo.com | www.aiut.com

Functionality

ARANGE 7076 collects radio frames from IoT modules and forwards them securely and wirelessly through Bluetooth interface to Bluetooth Low Energy enabled smartphone or tablet.
Used for data collection, automated walk-by procedure, on-site configuration, and installation of IoT modules.



IoT devices installed in locations

ARANGE 7076

Dedicated mobile application

Acquisition server

Technical Parameters

Environmental parameters

- Operating temperature: -10°C to +50°C*
- Charging temperature: 0°C to +45°C
- CE (including RED: 2014/53/UE)

Low power communication

- Bluetooth Low Energy
  - maximum output power: +8 dBm
  - IMR WAN 3.1 protocol with AES encryption
- RF radio
  - 2 x SRD 868 MHz
  - maximum output power: +22 dBm
  - range: 300 m
  - IMR LAN 3 protocol
  - WM-BUS mode T1, T2, C1, C2

HMI interface

- E-ink display, 200x200 px
- Reset feature triggered by a magnet

Housing

- Dimensions: 108 mm x 68 mm x 23 mm
- Customized overprint
- Designed for outdoor operation

Power supply

- Lithium-poly battery (1600 mAh)
- Up to 16 hours of operation on a single charge (up to 1 month in stand-by mode)
- Charging time: 3 hours
- Power adapter 230 V, 2 A, USB type micro B

*If the temperature drops below 0^0C, the e-ink screen may not refresh.

AIUNEO_ARANGE_7076_EN_20250205

AIUT sp. z o.o. ul. Wyczółkowskiego 113, 44-109 Gliwice, Poland
Tel.: (+48 32) 77 54 000 Fax: (+48 32) 77 54 001
www.aiuneo.com | www.aiut.com