


ACW-MR2 EX

ATEX metering radio modem

COUNTER • ATEX • IP65 • IoT CLOUD • AMR




Network

-  Sigfox™
-  LoRaWan®*
-  Sigfox ACW-GW
repeater compatible





Performances

-  Range : up to 15km

Autonomy

-  8 years with 3 Tx/day
-  One LS14500Ex battery
-  Battery level indicator

Divers

-  Switch configuration
-  Downlink
configuration
-  Waterproof IP65 box
-  Zone 2 environment
-  Web platform
-  SMS and Mails Alerts



The ACW-MR2Ex allows you to report two digital inputs towards a web platform and to **remote-read** the metering informations from a **gas** counter done on a regular basis (configurable reports time).

This modem exists with 2 digital inputs intended to work on the new LPWAN networks dedicated to the IoT: Sigfox and LoRaWan. Ideal to supervise your equipment's on the web, It is perfectly adapted for an urban environment and to be used in a difficult environment.

Technical features

| | | |
|----------------------|--|---------|
| Dimensions | 177 x 55 x 55 mm | |
| Antenna | Integrated (¼ wave) | |
| Temperature | -20°C à +55°C (functioning mode) -40°C à +70°C (storage mode) | |
| Mounting | Wall, tube, DIN-Rail | |
| Box | IP 65 | |
| Power supply | 1x LS14500Ex | |
| Weight | 160 g | |
| Frequency | 865 – 870 MHz | |
| Power | 25 mW (14 dBm) | |
| Speed | Sigfox : 100 bps | |
| | LoRaWan : 300 bit/s to 10 Kbit/s | |
| Consumption | Sigfox | LoRaWan |
| Tx mode | 60 mA | 60 mA |
| Rx mode | 35 mA | 35 mA |
| Sleep mode | 1,4 µA | 5 µA |
| Certification | CE/<E> II 3 G, Ex ic IIA T3 Gc @ 55°C | |

References

2 pulse counters + 1 "cable cut" :

- ACW/SF8-MR2Ex
Sigfox
- ACW/LW8-MR2Ex
LoRaWan

Gaz meter cable :

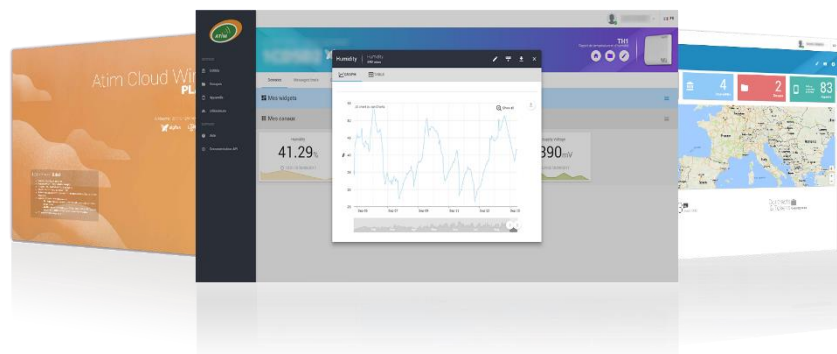
- CAB/MTRGAZ1
M16 connector IP40

ATEX Lithium battery :

- BAT/MTRGAZ1
LS14500EX battery










Available with the ACW platform
or the modem on its own.

Atim Cloud Wireless® Platform



Control all your ATIM devices using Sigfox and LoRaWAN on one single secured web platform. Access and manage your IoT data very easily.

Thanks to the new LPWAN networks, device remote management and telemetry become simple and accessible to everyone.

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|---|--|
|  Device management group |  Real-time data follow-up through user-friendly control panel |
|  First-class signal quality |  Personalization of graphics and information channels |
|  SMS alerts |  Export your data (by product or by group) |
|  Emails alerts |  Geo-tracking of each product |
|  Secured API | |