




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/ϵ 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 :

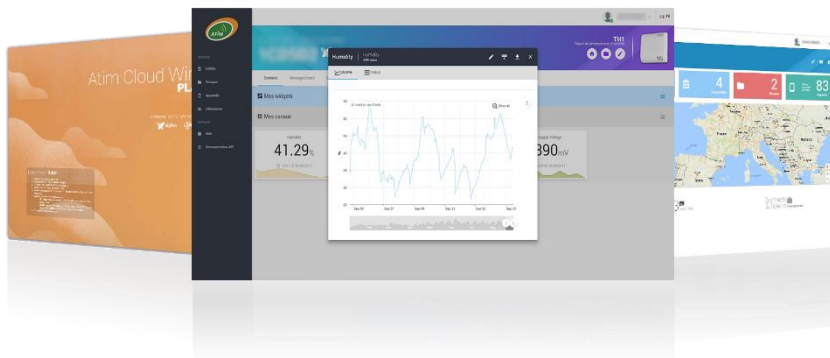
- CAB/MTRGAZ1
M16 connector IP40

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.

- 📁 Device management group
- 📶 First-class signal quality
- 📧 SMS alerts
- ✉️ Emails alerts
- 🔒 Secured API
- 👁️ Real-time data follow-up through user-friendly control panel
- ⚙️ Personalization of graphics and information channels
- 📦 Export your data (by product or by group)
- 📍 Geo-tracking of each product



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