

Events - meetings <



IoT MtoM Embedded

Thank you to Factory Systemes, our partner, for inviting us to the **IoT MtoM Embedded** exhibition.

And thank you to our visitors for sharing this moment with us, it was a real pleasure!

We continue to accompany you on your connected projects. \bigotimes

LoRa Alliance

Stéphane and **Matthieu** will meet you at the LoRa Alliance show on July 6th and 7th in Paris.

Join industry leaders from around the world, enterprises, device manufacturers, system integrators, distributors, developers, solution providers, educational institutions, IoT alliances, influencers and more at the largest global **LoRaWAN** event of 2022 !







Documentation

Digital & 4-20mA input/output control

The **ARM-Dxxxx** is a radio modem that can be connected to On/Off or analog sensors and actuators.

It allows the monitoring of 2 to 6 digital inputs or 2 + 4 analog inputs or outputs (0-10V / 4-20mA) which are sent by radio **Point to Point** or by **LPWAN Sigfox | LoRaWAN** networks. In Point to Point mode, the modem can be configured in **mirror or Modbus slave mode**.

Strengths

- 2 inputs + 2 digital outputs (standard)
- ▶ Up to 4 optional Digital or analog inputs / outputs (0-10V / 4-20mA)
- Modbus slave / Mirror mode / LPWAN
- RS485 connection
- External power supply 10-30Vdc
- SMA antenna connector



Synchronization of advertising panels

The ARM-D radio modem was initially designed for a large street furniture company with whom ATIM has been working for more than 20 years. This radio modem has been included in the ATIM ARM (Advanced Radio Modem®) catalog.

It allows to synchronize the scrolling of **posters** in street furniture and to control several VMS from a master panel.

It has been deployed for many years in cities, airports, public places all over the world, for example on the Champs Elysées and on the biggest squares of big cities.





Pumping / Turbining

The **pumped-storage technique** is a proven technology known since the end of the 19th century.

Used throughout the world, it allows to store **large quantities of electrical energy** through the potential energy of water.

Using this technique, pumped-storage power plants avoid **wasting energy** during off-peak hours and compensate for the intermittent nature of electricity production in the wind and solar sectors.

A reversible hydroelectric plant (pumping or turbining) is used to transfer water between two basins located at different altitudes.

ATIM **ARM-D** radio modems are regularly used in mirror mode or in Modbus to control the **gates** of the reservoir and to monitor the level of the reservoir.

Read more

2 in 1 sensor : Temperature and Metering

The **TM1P/TM2P** can monitor one or two remote PT100 or PT1000 temperature sensors and read the **index** of a **water** or **electricity meter**. It is commonly deployed in boiler rooms, buildings, energy installations and cold chain control.

The measurements are regularly transmitted by radio (Sigfox or LoRaWAN technology) and the

configuration is done from the tools of the ATIM suite **locally** or **remotely**.

Compatible with the computer and mobile versions of the IoT web platform, the visualization of data, the remote parameterization of the sensor and the configuration of alerts according to **predefined thresholds** are made possible in a few clicks.

- **I** -50 °C to + 200 °C
- Configurable temperature thresholds
- C Replaceable batteries

Onfiguration via USB, downlink or mobile app



Documentation



Boiler rooms

- Monitor the temperature of the domestic hot water in order to manage the risk of legionellosis.
- Control it is advised not to heat above 60°C to avoid the risk of serious burns.
- Reduce the energy bill by maintaining an optimal and constant temperature.



Cold rooms

- Guarantee the respect of the cold chain and hygiene rules.
- Control the temperature of your cold rooms, refrigerated banks, refrigerated trucks.
- Keep the data transmitted in case of control.
- Control and avoid any sanitary risk.

Digital catalogue

For more **flexibility** and quicker updating, we have opted for the digital format of our catalog version.



Available on our website, you can also access it via the QR opposite. On your smartphones



Solutions IoT

Your **partner** in **wireless** data **transmission ATIM** offers you all the links of the **IoT chain**.

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