

# Wireless communication interfaces and dataloggers

to collect energy data



AUTOMATIC REMOTE  
MULTI-FLUID READINGS  
POOLING AND MAKING  
METERING DATA AVAILABLE  
CONSOLIDATION OF DATA

Gathering your energy data and ensuring its availability is key to providing an efficient energy management system for buildings (industrial, service sector, etc.).

Dataloggers combined with wireless interfaces allow you to create a fully accessible energy ecosystem which can:

- automatically read the multi-fluid measurement units and meters remotely, whether or not these are isolated,
- consolidate the single or multi-site data and make this data secure and available using an energy management system.

your energy  
our expertise



**socomec**  
Innovative Power Solutions

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## Advantages

- Automatic remote multifluid readings**  
 The connectivity of your measurement units and meters is assured, so that they can communicate autonomously. Your data can be gathered via different cable links (Ethernet, RS485, Inputs/Outputs) or wirelessly (radio).
- Pooling and making metering data available**  
 Single or multi-site data is gathered and logged. It is then transmitted securely to the energy management software application.
- Consolidation of data**  
 All the data is consolidated and formatted in a suitable file (CSV, XML) before being transferred via a GSM or Ethernet network to a server (local or cloud solution).

## Functionalities

- Data logged locally at a configurable gathering frequency.
- RS485 and Ethernet ports.
- RF Wireless M-Bus.
- GPRS/2G/3G.
- Inputs/Outputs.
- Auto-discovery Socomec's products.
- Protocols: FTPs, HTTPs, SNMP, Modbus.
- Compatible with other manufacturer systems (via Modbus et SNMP).

## Application

Solution allowing a communication architecture to be created which is independent of the company's network for energy data collection.

## Compliance with standards

- EN55022 class B.
- EN50082.

### Wireless communication interfaces

- Data gathered by reading the energy measurement data from the serial link, transferred via radio technology.
- Data gathered through water and gas metering pulses, transferred periodically using radio technology (Wireless M-Bus).

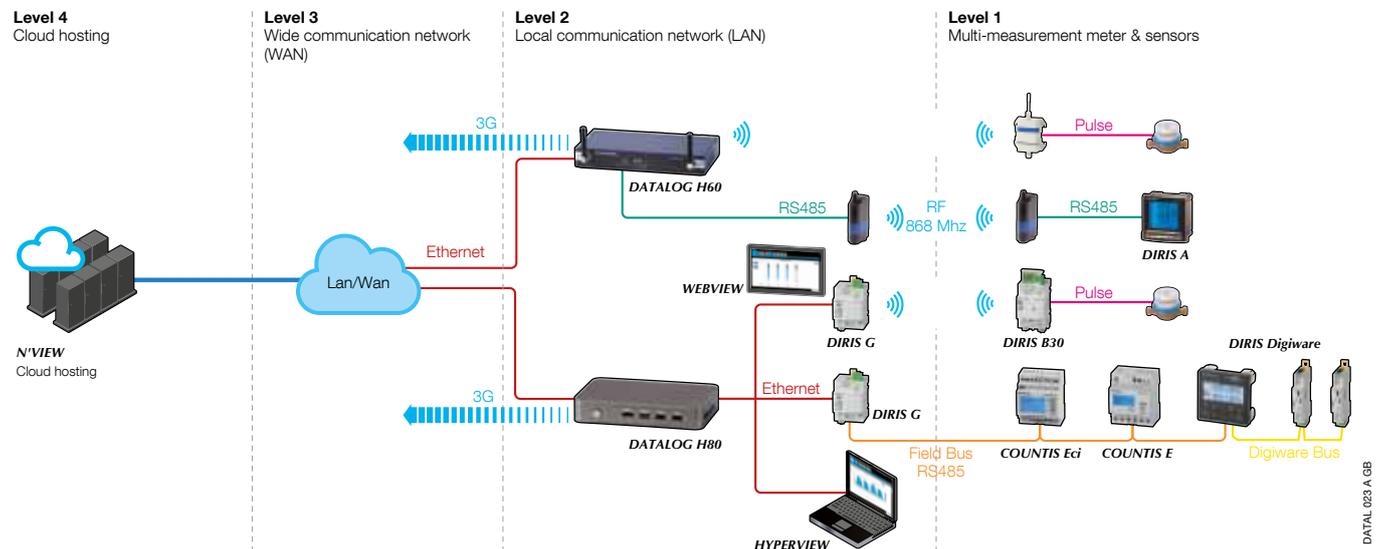
### Control your costs and improve your energy performance

Find out more about N'VIEW, the new 100% cloud service for your energy performance management. N'VIEW offers a wide range of features to give you a user-friendly and intuitive analysis of your energy consumption and help you optimise your costs.



SOFT 048 A

## Architecture of your energy data system



DATAL 023 A GB

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