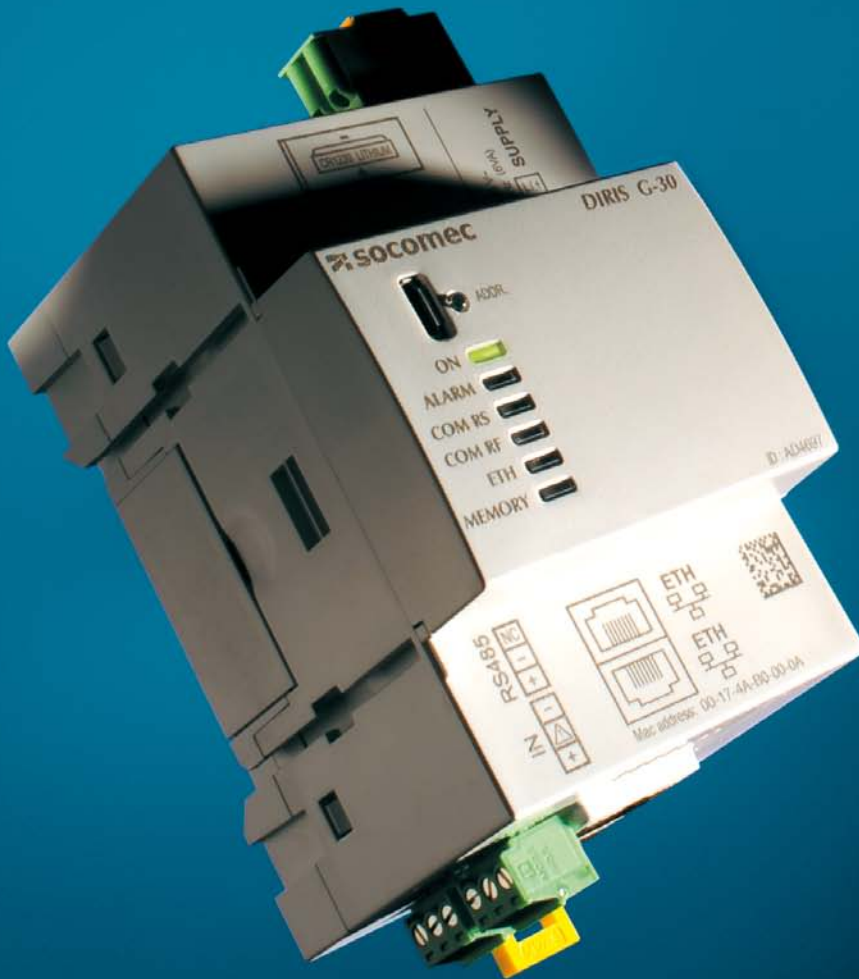




# DIRIS G

Communication gateways  
RS485 to Ethernet



# Easily centralize your data

With DIRIS G communication gateways, all information from metering and measurement devices communicating via the RS485 bus are centralized in a single device and then made available on the Ethernet network via Modbus TCP.

The gateway has an embedded WEBVIEW web server, allowing real time monitoring of electrical values and analysis of consumption data.

## Advantages



### Plug & Play

- Automatic addressing and detection of measuring and metering devices.
- Automatic recording and storage of measurements and consumption data.
- Automatic sending of alarm emails (SMTP).
- Automatic clock synchronization (SNTP).
- Automatic distribution of tariff changes.



**DIRIS G-30**  
RS485 Modbus/Ethernet

diris-g\_004\_a



**DIRIS G-50**  
RS485 Modbus/Ethernet

diris-g\_007\_a



### WEBVIEW embedded web server

Two versions:

#### Power Monitoring

##### Monitor

- Automatic detection of connected devices.
- Up to 32 counting and measurement devices.
- Measurements of voltage, current, power, power factor, harmonic distortion rate (THD) and harmonics per rank.
- Total & partial energy consumption per load.
- Input/output status.
- Synchronization of device clocks.

##### Alarm

- Alarms for overloads, events & input status changes.
- Display of alarm history.
- Sorting by type, nature, criticality or state.
- Alarm displayed on the main page.
- Sending of alarm by email (SMTP).

#### Power & Energy Monitoring

##### Display

- Historical of measurements and consumption (one year of data).
- Distribution of consumption by usage and by utility (water, gas, electricity, etc.).
- Export of consumption data in CSV format.

Power & Energy Monitoring also includes "Monitor" and "Alarm" functions.

Real time views



soft\_007\_a\_1\_fr\_cat

Alarm history



soft\_005\_a\_1\_fr\_cat

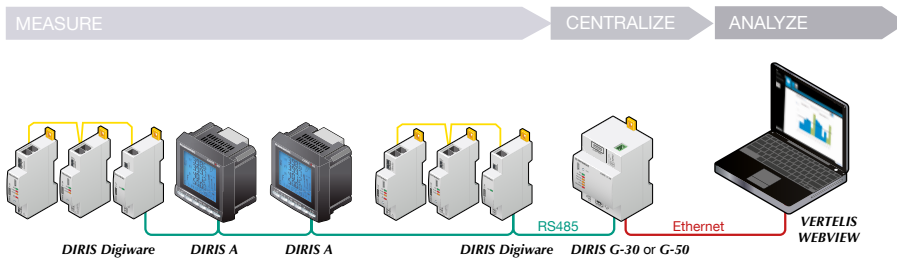
Consumption history



soft\_008\_a\_1\_fr\_cat

# Communication architecture

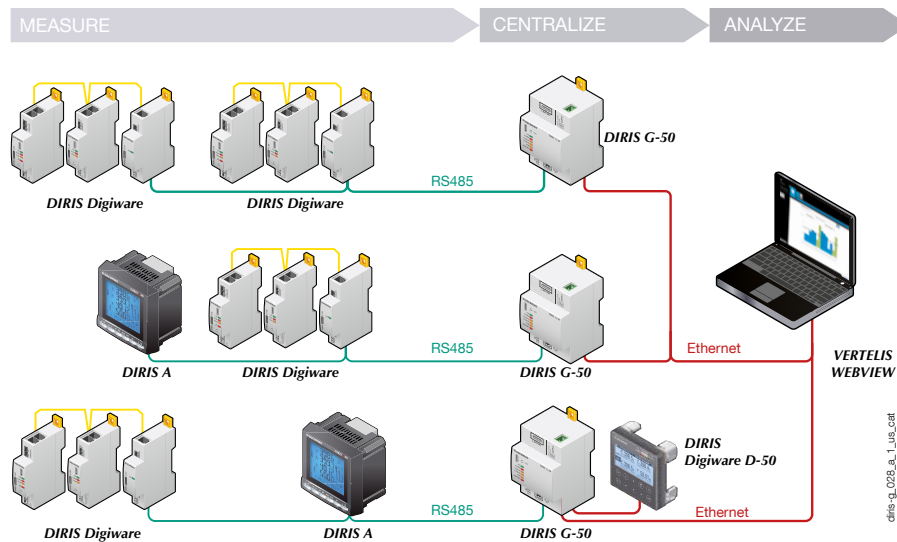
## Single-gateway architecture: centralization of data on a single gateway



### Strong points

- Centralization of data from RS485 Modbus devices.
- WEBVIEW embedded web server.
- Compatible with DIRIS Digiware and DIRIS A.

## Multi-gateway architecture: centralization of data on several cascading or parallel gateways



### Strong points

- Suitable for all network types.
- Multi-gateway communication.
- Local view of all devices linked to the connected gateways on a DIRIS Digiware D-50 display.
- WEBVIEW embedded web server.
- Compatible with DIRIS Digiware and DIRIS A.

## References

	DIRIS G-30	DIRIS G-50
<b>Standard interfaces</b>		
Ethernet	•	•
RS485 Modbus	•	•
<b>Embedded web server</b>		
WEBVIEW Power Monitoring	•	•
WEBVIEW Power & Energy Monitoring		•
<b>Main specifications</b>		
Dimensions	3.5 modules	3.5 modules
References	4829 0300	4829 0302



### DIRIS D-90 (ref: 4829 0210)

Touch-screen tablet that can be fitted on the panel door, connected by Ethernet cable or Wi-Fi (via a router)

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