



DIRIS G

Communication gateways
Wireless & cabled RS485 to Ethernet



your energy
our expertise



 **socomec**
Innovative Power Solutions

Easily centralise your data

With DIRIS G communication gateways, all information from metering and measurement devices communicating wirelessly or via the RS485 bus are centralised in a single device and then made available on the Ethernet network via Modbus TCP. Via Ethernet, the DIRIS G gateways can also retrieve data from remote Socomec meters or measurement units.

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

Advantages



Plug & Play

- Automatic export of data to FTP server.
- 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 synchronisation (SNTP).
- Automatic distribution of tariff changes.



Scalable

Several optional modules available:

- digital inputs/outputs,
- analogue inputs/outputs,
- temperature measurement,
- communication.



DIRIS G-30/G-50
RS485 Modbus

DIRIS G-40/G-60
Radio-frequency and
RS485 Modbus



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.
- Synchronisation 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 027 A

Alarm history



SOFT 025 A

Consumption history

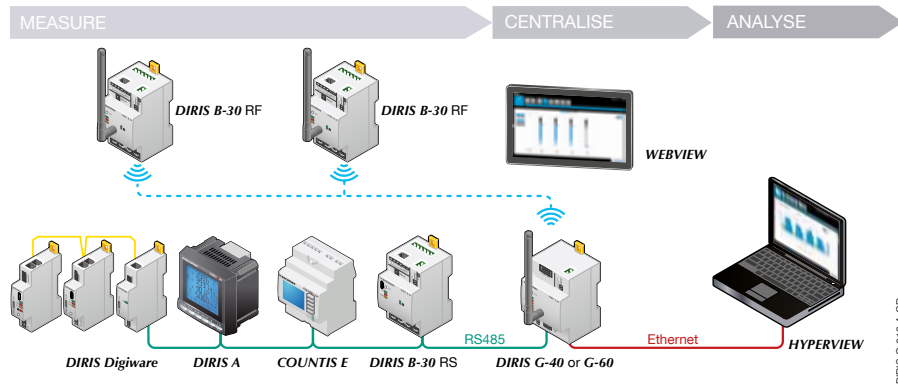


SOFT 036 A

WEBVIEW is a VERTELIS SUITE software.

Communication architecture

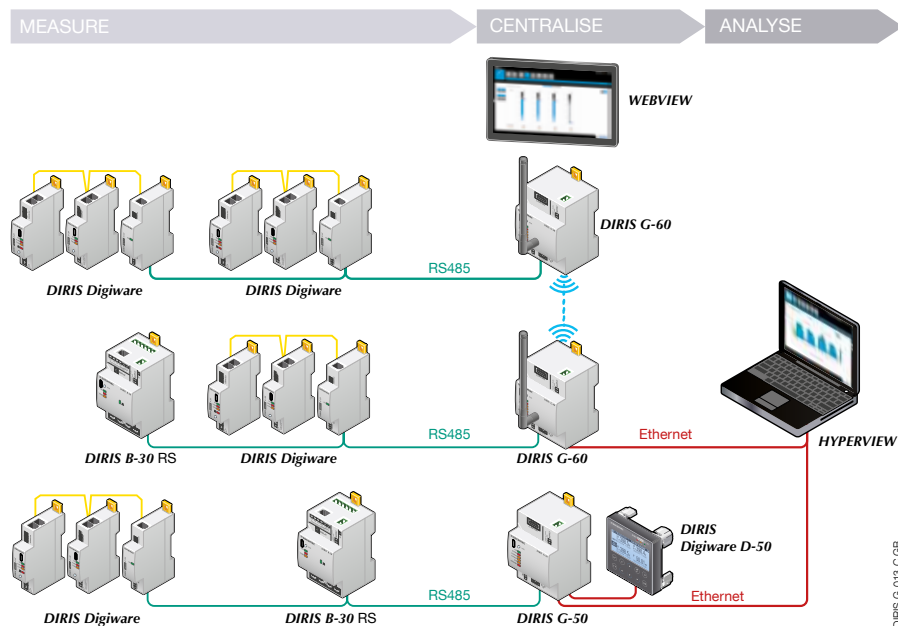
Single-gateway architecture: centralisation of data on a single gateway



Strong points

- Centralisation of data from wireless & RS485 Modbus devices.
- WEBVIEW embedded web server.
- Compatible with DIRIS Digiware, DIRIS B, DIRIS A and COUNTIS E.

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



Strong points

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

Selection guide

	DIRIS G-30	DIRIS G-40	DIRIS G-50	DIRIS G-60
Communication				
Ethernet	•	•	•	•
RS485 Modbus	•	•	•	•
Wireless		•		•
Embedded web server				
WEBVIEW Power Monitoring	•	•	•	•
WEBVIEW Power & Energy Monitoring			•	•
Main specifications				
Dimensions	3.5 modules	3.5 modules	3.5 modules	3.5 modules
References	4829 0300	4829 0301	4829 0302	4829 0303

OPTIONAL MODULES ⁽¹⁾	
2 inputs/2 outputs, digital	4829 0030
2 inputs/2 outputs, analogue, 4-20 mA	4829 0031
3 temperature inputs, PT100/PT1000	4829 0032
RS485 Modbus slave interface	4829 0033

(1) Up to 4 optional modules per gateway.

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