



# 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

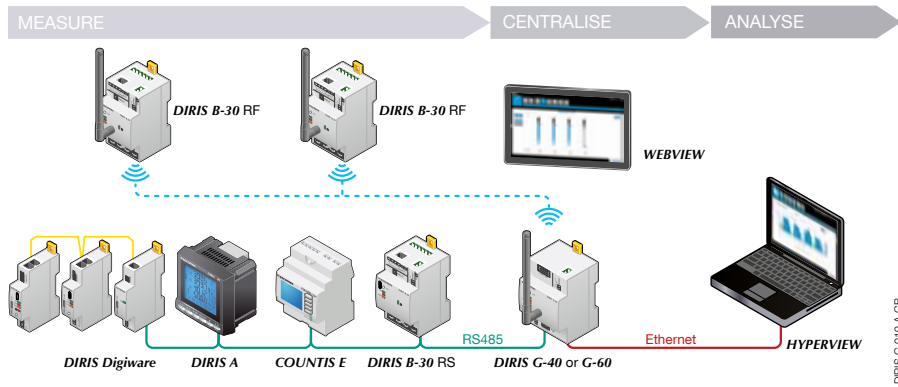


SOFT 036 A

WEBVIEW is a VERTELIS SUITE software.

# Communication architecture

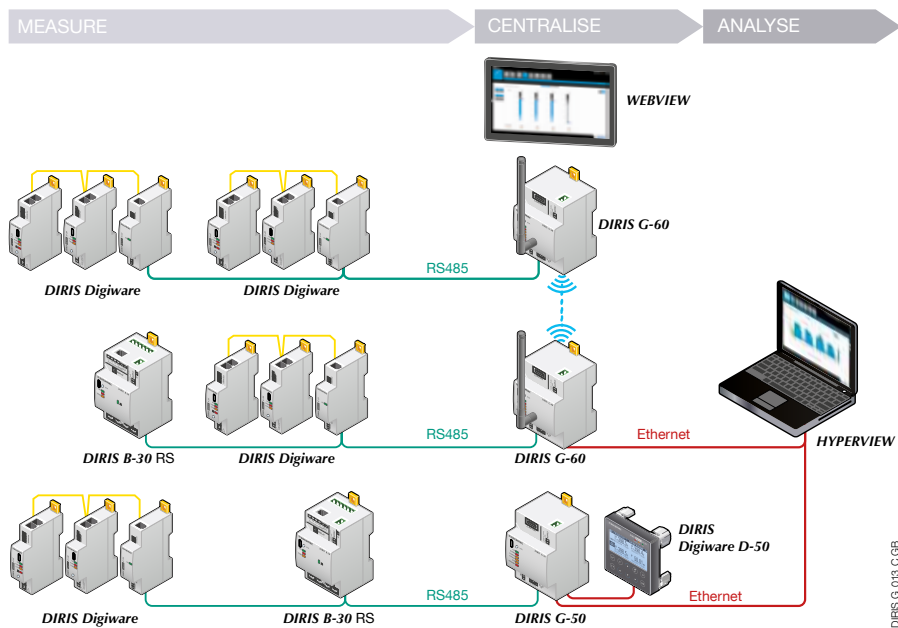
**Single-gateway architecture:** centralisation of data on a single gateway



- 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.

DIRIS G 019 A GB

**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.

DIRIS G 019 C GB

## Selection guide

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

OPTIONAL MODULES <sup>(1)</sup>	
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.

# Socomec worldwide

## IN EUROPE

### BELGIUM

Critical Power / Power Control & Safety / Energy Efficiency Power

Tel. +32 2 340 02 30  
Fax +32 2 346 28 99  
info.be@socomec.com

### FRANCE

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +33 1 45 14 63 00  
Fax +33 1 48 67 31 12  
dcm.ups.fr@socomec.com

### GERMANY

Critical Power

Tel. +49 621 71 68 40  
Fax +49 621 71 68 444  
info.ups.de@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +49 7243 65292 0  
Fax +49 7243 65292 13  
info.scp.de@socomec.com

### ITALY

Critical Power

Tel. +39 02 98 242 942  
Fax +39 02 98 240 723  
info.ups.it@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +39 02 98 49 821  
Fax +39 02 98 24 33 10  
info.scp.it@socomec.com

### NETHERLANDS

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +31 30 760 0900  
Fax +31 30 637 2166  
info.nl@socomec.com

### POLAND

Critical Power

Tel. +48 22 825 73 60  
Fax. +48 22 825 73 70  
info.ups.pl@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +48 91 442 64 11  
Fax +48 91 442 64 19  
info.scp.pl@socomec.com

### PORTUGAL

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +351 261 812 599  
Fax +351 261 812 570  
info.ups.pt@socomec.com

### ROMANIA

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +40 21 319 36 88  
Fax +40 21 319 36 89  
info.ro@socomec.com

### SLOVENIA

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +386 1 5807 860  
Fax +386 1 561 11 73  
info.si@socomec.com

### SPAIN

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +34 93 540 75 75  
Fax +34 93 540 75 76  
info.es@socomec.com

### SWITZERLAND

Critical Power

Tel. +41 44 745 40 80  
Fax +41 44 745 40 85  
info@socomec.ch

### TURKEY

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +90 216 540 71 20-21-22  
Fax +90 216 540 71 27  
info.tr@socomec.com

### UNITED KINGDOM

Critical Power

Tel. +44 1285 863 300  
Fax +44 1285 862 304  
info.uk@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +44 1462 440 033  
Fax +44 1462 431 143  
info.uk@socomec.com

## IN ASIA PACIFIC

### AUSTRALIA

Critical Power / Power Control & Safety

Tel. +61 2 9325 3900  
Fax +61 2 9888 9544  
info.ups.au@socomec.com

### CHINA

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +86 21 52 98 95 55  
Fax +86 21 62 28 34 68  
info.cn@socomec.com

### INDIA

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +91 44 39215400  
Fax +91 44 39215450 & 51  
info.in@socomec.com

### SINGAPORE

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +65 6506 7600  
Fax +65 64 58 7377  
info.sg@socomec.com

### THAILAND

Critical Power

Tel. +66 2 941 1644 7  
Fax +66 2 941 1650  
info.ups.th@socomec.com

## IN MIDDLE EAST

### UNITED ARAB EMIRATES

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +971 4 29 98 441  
Fax +971 4 29 98 449  
info.ae@socomec.com

## IN AMERICA

### USA, CANADA & MEXICO

Power Control & Safety / Energy Efficiency

Tel. +1 617 245 0447  
Fax +1 617 245 0437  
info.us@socomec.com

## OTHER COUNTRIES

### NORTH AFRICA

Algeria / Morocco / Tunisia  
info.naf@socomec.com

### AFRICA

Other countries  
info.africa@socomec.com

### SOUTH EUROPE

Cyprus / Greece / Israel / Malta  
info.se@socomec.com

### SOUTH AMERICA

Tel. +34 93 540 75 75  
info.es@socomec.com

### MORE DETAILS

[www.socomec.com/worldwide](http://www.socomec.com/worldwide)

## HEAD OFFICE

### SOCOMECS GROUP

SAS SOCOMECS capital 10 678 740 €  
R.C.S. Strasbourg B 548 500 149  
B.P. 60010 - 1, rue de Westhouse  
F-67235 Benfeld Cedex - FRANCE  
Tel. +33 3 88 57 41 41  
Fax +33 3 88 74 08 00  
info.scp.isd@socomec.com

[www.socomec.com](http://www.socomec.com)

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