exemys

PRODUCT CATALOGUE

ISO 9001:2008 CERTIFICATION

ANAB ACCREDITED

ISO 9001 BUREAU VERITAS Certification

UKAS QUALITY MANAGEMENT 062

UL 60950 CERTIFICATION

UL LISTED UL60950 16WU

EUROPEAN COMMUNITY
CE CERTIFICATION

CE

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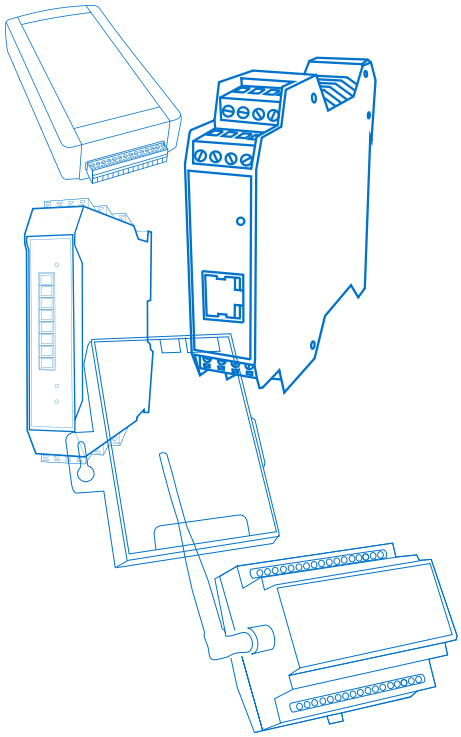
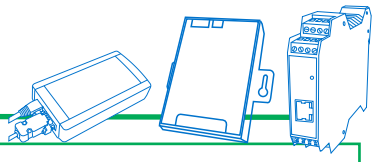


Serial server
Serial to Ethernet

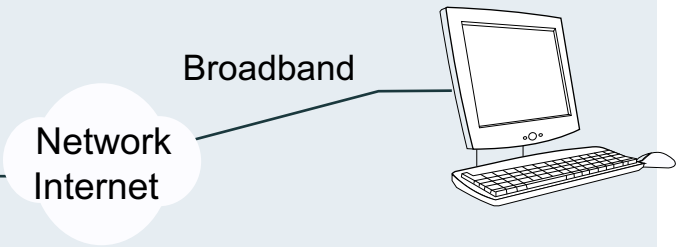


Serial Servers, Serial to Ethernet, can convert the information from any serial port RS232/485/422 to Ethernet data network TCP / IP. In this way an electronic device that was originally designed to get their information locally, thanks to a serial server can pass data to an Ethernet network or even Internet.

Industrial Serial Server	Comercial Serial Server	Low End Serial Server	Serial Server with Buffer	OEM Serial Server
				
SSE232-IA	SSE232-ST	SSE232-LE	SSB-LE	SSE232-OE

APPLICATION

REMOTE ACCES



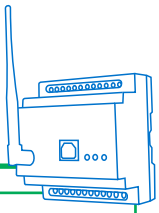
- Original Software + Port COM redirector
- TCP Software

Serial Server **Serial to Ethernet** benefits:

- It provides the platform TCP / IP to serial devices, making more efficient remote operation of the devices.
- Reduce labor costs for maintenance and operation of the devices.
- Improve downtimes of machines and remote computers.

Serial server

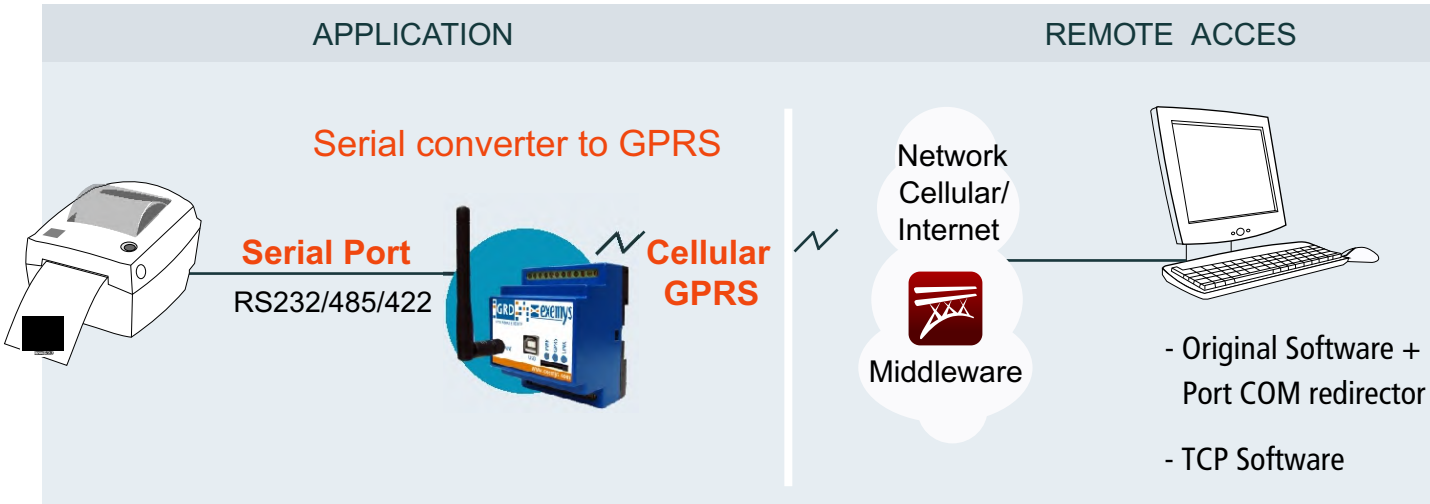
Serial to Cellular GSM



Serial Servers, Serial to Cellular, allow you to convert data from any Serial Port, to a Cellular GSM/GPRS Network, and thus to internet, facilitating the connection of these devices, anywhere in the world.

Serial Server GPRS

GRD1300

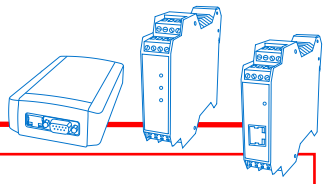


Serial Server **Serial to Cellular GPRS** benefits:

- Lets go with a serial port, where they do wired networks.
- It establishes a serial data tunnel, with devices connected anywhere in the world.
- It is designed especially for control of remote assets.

Protocol Converters

Ethernet to Serial



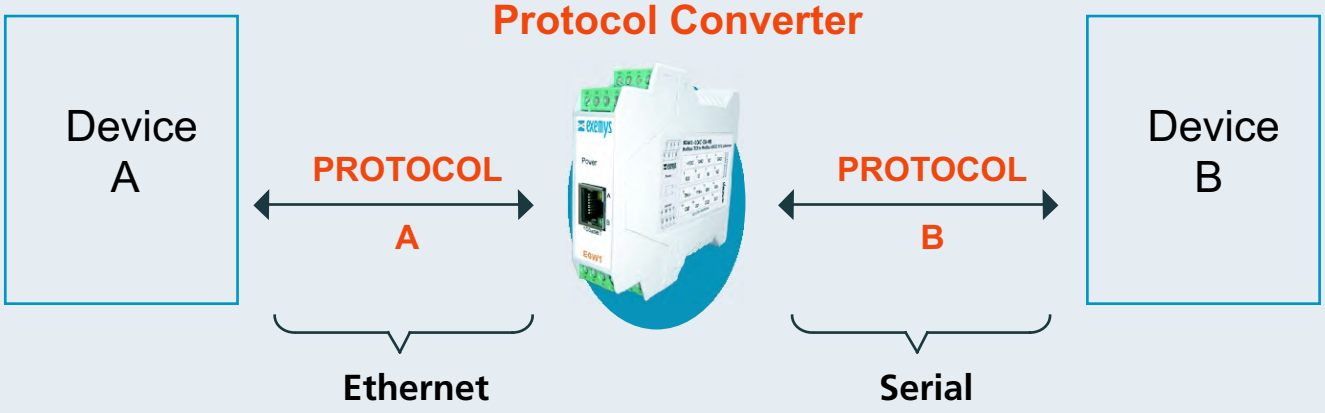
The protocol converter enables you to connect electronic devices that communicate using different communication protocols or languages. Thus, the converter acts as a translator of languages for communication, allowing for example the interfacing of different brands

TCP Modbus to Modbus Serial

EGWI-MB

TCP Modbus to Df1

EGW1-MB-DF1

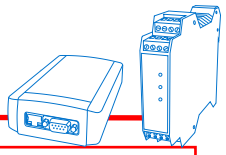


Protocol Converters benefits:

- Allows you to connect equipment from different brands.
- They are very easy equipment installation.
- They lack the complexity and problems of computers and special software.

Protocol Converters

Serial to Serial



The protocol converter enables you to connect electronic devices that communicate using different communication protocols or languages. Thus, the converter acts as a translator of languages for communication, allowing for example the interfacing of different brands

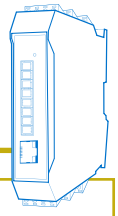
Modbus Multiplexer	Modbus Serial to DF1	Modbus Serial to Hostlink
		
SGW1-MMP	SGW1-MB-DF1	SGW1-MB-HL

Protocol Converters benefits:

- Allows you to connect equipment from different brands.
- They are very easy equipment installation.
- They lack the complexity and problems of computers and special software.

Analog Acquisition Modules

Modules with Ethernet TCP/IP Interface



Analog Modules could obtain information from field sensors and transducers, sensors such as temperature, pressure, humidity and others.
The acquired information remains available for communication with other intelligent device like a PC, PLC or SCADA system, using different Ethernet communication protocols.

4-20mA / 0-10V

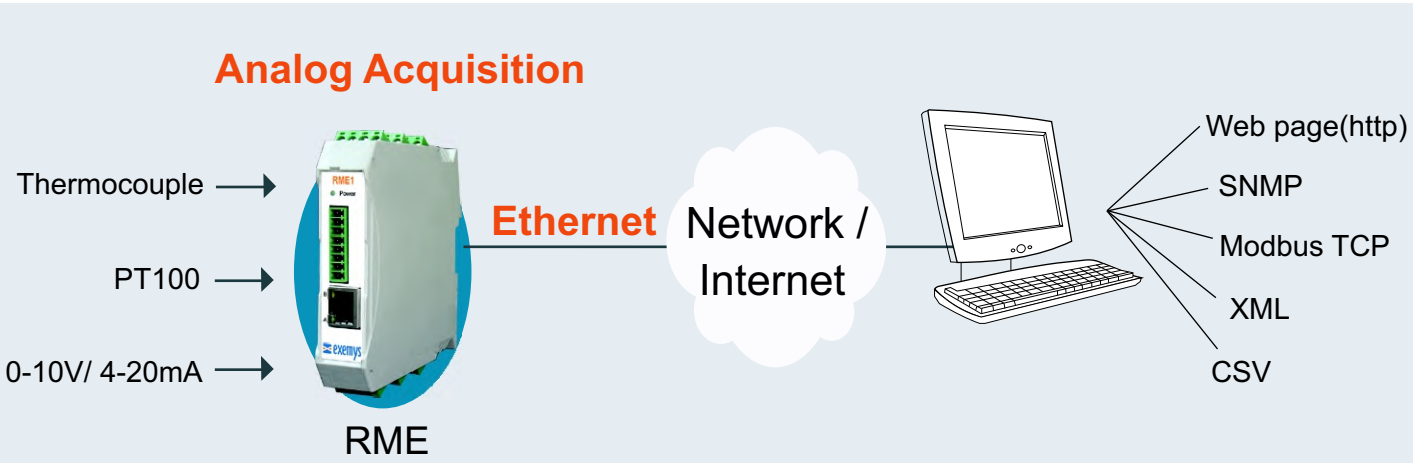
RME1-AI

Thermocouple

RME1-TC

PT100

RME1-PT

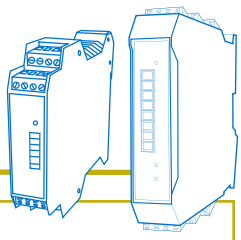


Modules with Ethernet TCP/IP Interface benefits:

- Lets get the measurements of sensors and transducers, remote and distributed.
- The information obtained can be taken by any intelligent system software or hardware (SCADA, PLCs, PCs)
- Reduces the cost of acquisition per point.
- It can connect to devices of different brands, thanks to its 5 communication protocols

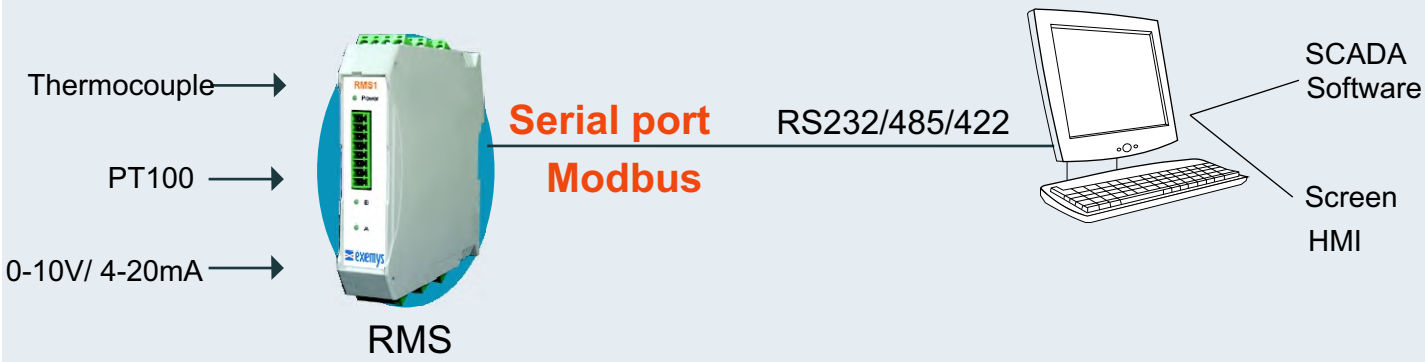
Analog Acquisition Modules

Modules with Modbus Interface



Analog modules allow to obtain the information from sensors and transducers, field sensors such as temperature, pressure, humidity and others.
The acquired information remains available for communication with other intelligent device like a PC, PLC or SCADA system, using the Serial Modbus communication protocol.

4-20mA / 0-10V	Thermocouple	PT100	Digital Temperature to Modbus
			
RMS1-AI	RMS1-TC	RMS1-PT	RMS1-TD



Modules with Modbus Interface benefits:

- Lets get the measurements of sensors and transducers, remote and distributed.
- The information obtained can be taken by any intelligent system software or hardware (SCADA, PLCs, PCs)
- Reduces the cost of acquisition per point.
- It can connect to devices of different brands, thanks to the universality of Serial Modbus protocol.

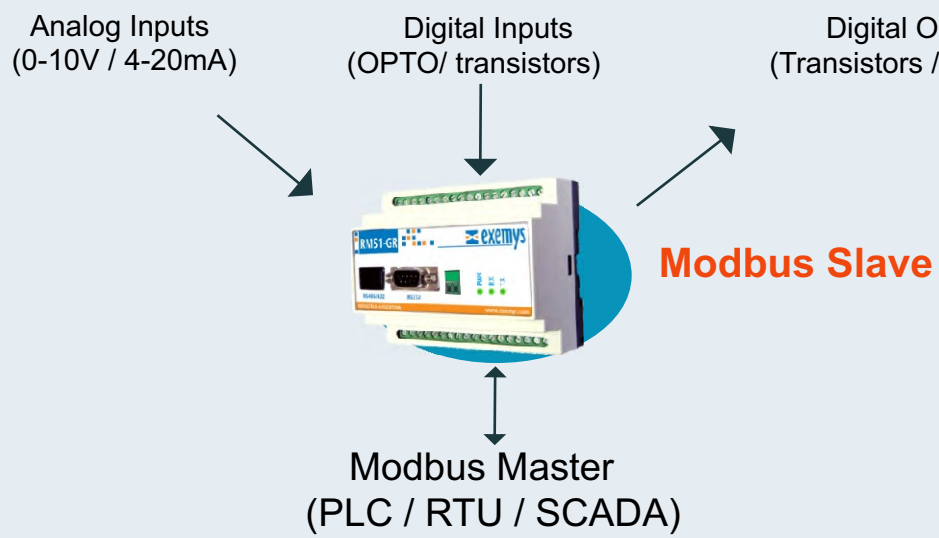
Analog Acquisition Modules

Modules with Modbus Interface

Analog modules allow to obtain the information from sensors and transducers, field sensors such as temperature, pressure, humidity and others.
The acquired information remains available for communication with other intelligent device like a PC, PLC or SCADA system, using the Serial Modbus communication protocol.

Modbus I/O Expansion Module

RMS1-GR

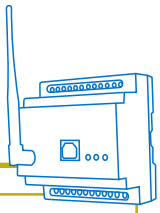


Modules with Modbus Interface benefits:

- Lets get the measurements of sensors and transducers, remote and distributed.
- The information obtained can be taken by any intelligent system software or hardware (SCADA, PLCs, PCs)
- Reduces the cost of acquisition per point.
- It can connect to devices of different brands, thanks to the universality of Serial Modbus protocol.

Analog Acquisition Modules

Modules with Cellular Interface



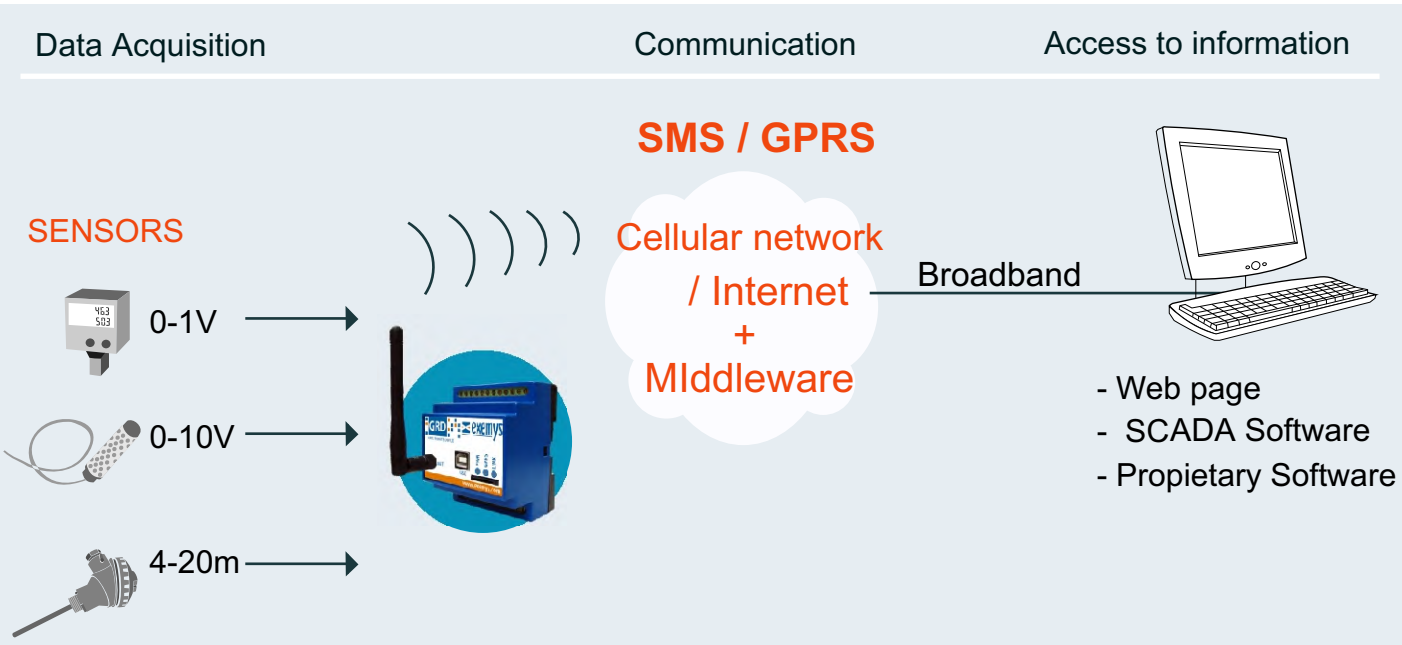
Analog Modules can obtain information from sensors and transducers, field sensors such as temperature, pressure, humidity and others.
The acquired information remains available for communication with other intelligent device like a PC, PLC or SCADA system through a cellular data communication via GPRS or SMS messages.

4-20mA / 0-10V
to GPRS

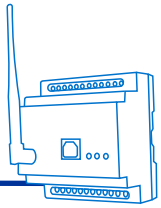
GRD

4-20mA / 0-10V/ 0-1V
to GPRS

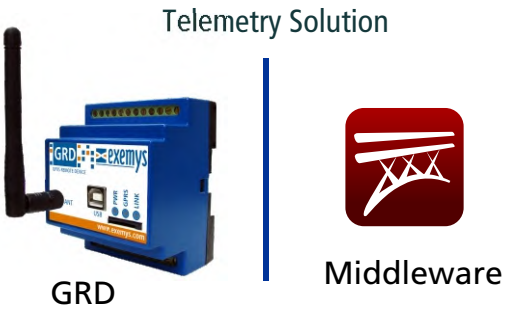
GRD New series

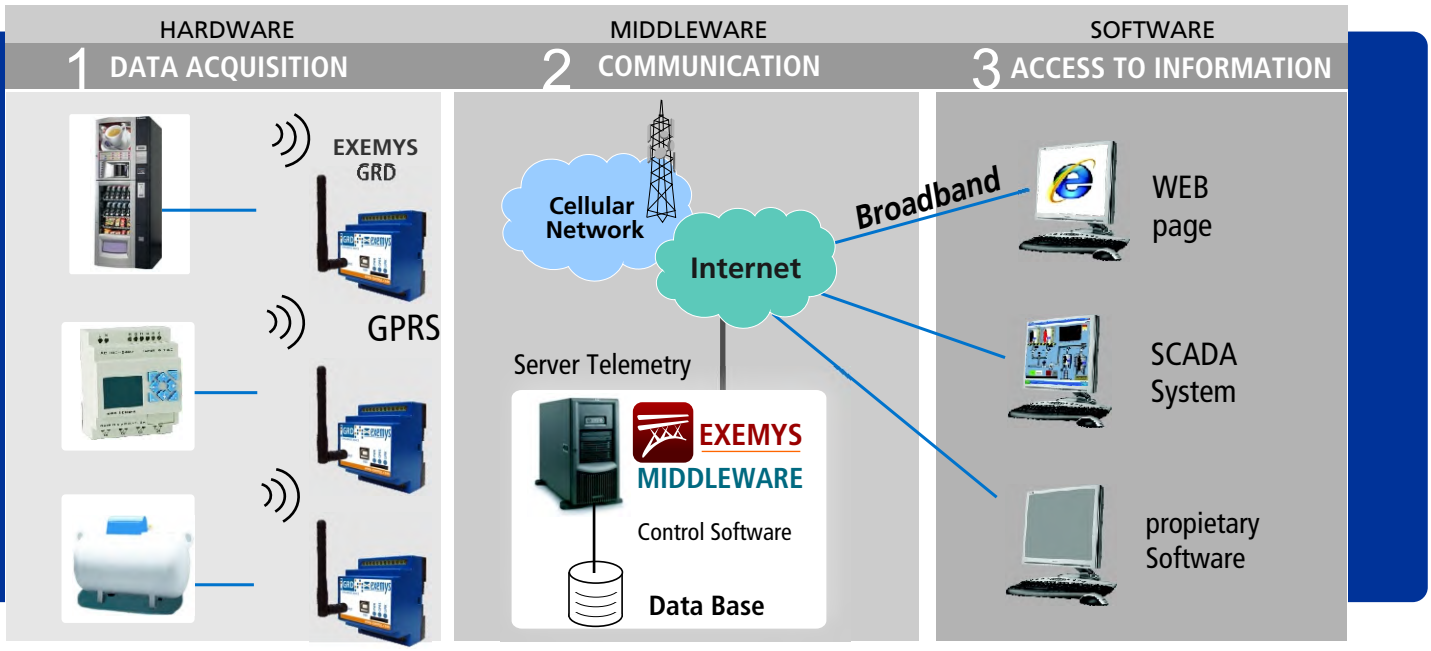


GPRS Cellular Telemetry



Exemys Cellular Telemetry solution covers all field acquisition devices with GPRS communication, the concentrator software of devices and the different collection and visualization tools or final registration of the information
The main components of the complete solution are:
1) Data acquisition (Hardware)
2) Communication and Intermediation (Software)
3) Access to information (Final user))

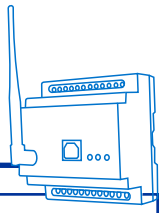




Cellular Telemetry benefits:

- Low cost per measurement point.
- Simple and economical installation.
- Real-time Operation

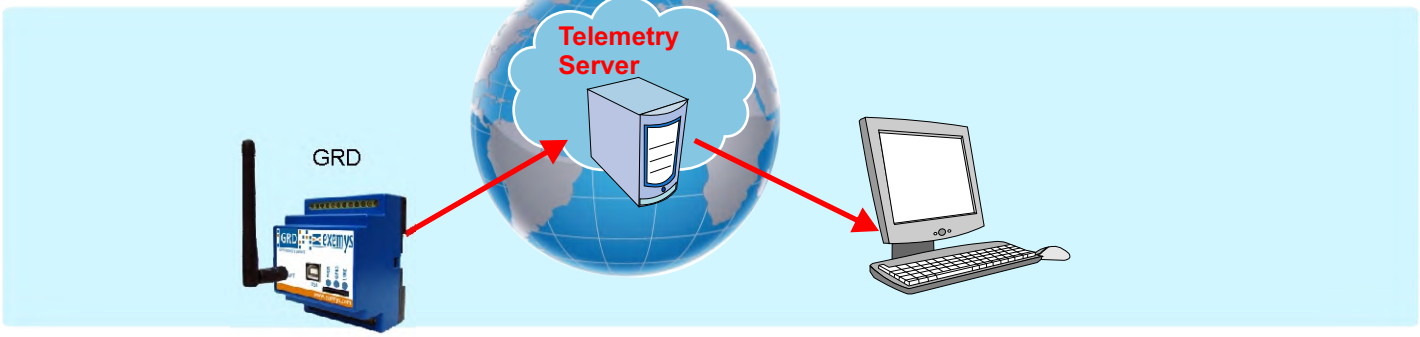
GSM Telemetry Web Server



What is a GSM Telemetry Web Server?
It is a powerful computer with Internet access, dedicated exclusively to hosting Cellular Telemetry Applications.

How it works?

With this new server, you can implement immediately, all applications of cellular telemetry, using pre-designed web pages. Just connect sensors to the Exemys GRD Devices, and configure in minutes, your application.



Benefits

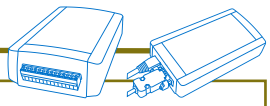
- Immediate implementation of applications
- Avoid costly hosting services
- Simple Web access to all field devices
- Robustness and Reliability of a Datacenter

What kind of applications can be deployed ?

Remote Monitoring
- Water or Fuel tanks
- Grain Silos
- Weather Stations
- Motor-generator power
- Uninterruptible Power Supplies, UPS
- Machines and Processes in general

Remote Control
- Stop valves for oil and gas
- Water Pumps
- Electronic Signs
- Industrial Refrigerators
- Vending Machines
- Programmable Controllers, PLCs
- Remote Terminal, RTUs
- Machines and Processes in general

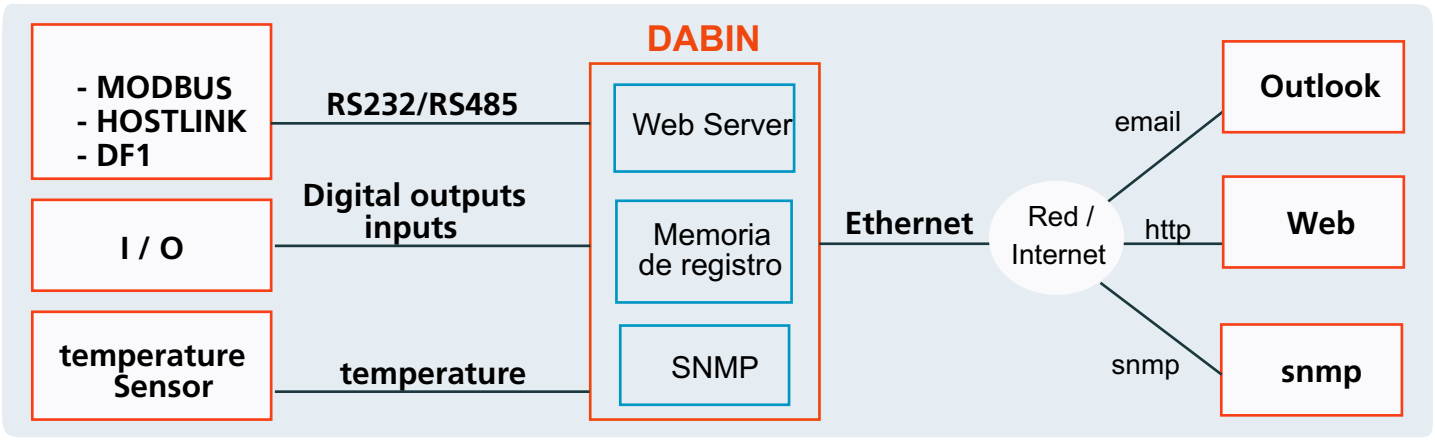
Internet based supervision



This state-of-the-art, powerful device provides interaction with different electric and electronic equipment through a standard Internet browser

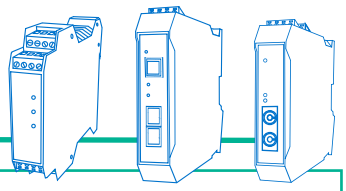
Web Based Supervision

DABin



PART #	SERIAL PORT					PROTOCOLS
	RS232	RS485	RS422	INPUTS	OUTPUTS	
DABin-1C43-ST-MB	1	1	-	4	3	MODBUS RTU / ASCII
DABin-1083-ST-MB	1	-	-	8	3	MODBUS RTU / ASCII
DABin-1083-ST-DF1	1	-	-	8	3	DF1
DABin-1C43-ST-HL	one configurable serial port			4	3	HOSTLINK
DABin-1083-ST-HL	1	-	-	8	3	HOSTLINK

Media Converter



The media converters allow you to transform electrical or optical signals of a certain standard to another.

RS232 to RS485/422

MCV1

Fiber Optics to Ethernet

MCV1-FO-ETH

Fiber Optics to Serial

MCV1-FO-SER

Media Converter

RS232 ⟷ **RS485/455**

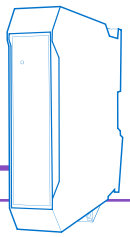
Fiber Optics ⟷ **RS232**

Fiber Optics ⟷ **Ethernet**

Media Converter benefits:

- Extend local communications over long distances.
- Avoid electrical noise interference during communication.
- Can connect devices to each other, with different communication standards.

Power supplies DC-DC



Exemys DC-DC (power surces) allows to connect electronic devices that requires the isolation of the power surce from critical aplications. Ideal for industrial or comercial purposes.

Power supplies DC-DC

DCEX

ISOLATION

INPUT VOLTAGES

12 - 24 - 36 - 48 - 72 (Vdc)
Positive or Negative

OUTPUT VOLTAGE

3.3 - 5 - 7.5 - 10 - 12 - 24
36 - 48 - 52 - 72 (Vdc)
Positive or Negative

Power supplies DC-DC benefits:

- Allow to electrically isolate devices from other more critical control and monitoring.
- Avoid electrical noise currents and circulation of mass / earth undue
- Facilitate the conversion of negative to positive sources

exemys

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SOFTWARE LAW CERTIFICATION

ArgenTIna