

Monitoring and Control with Ethernet TCP / IP

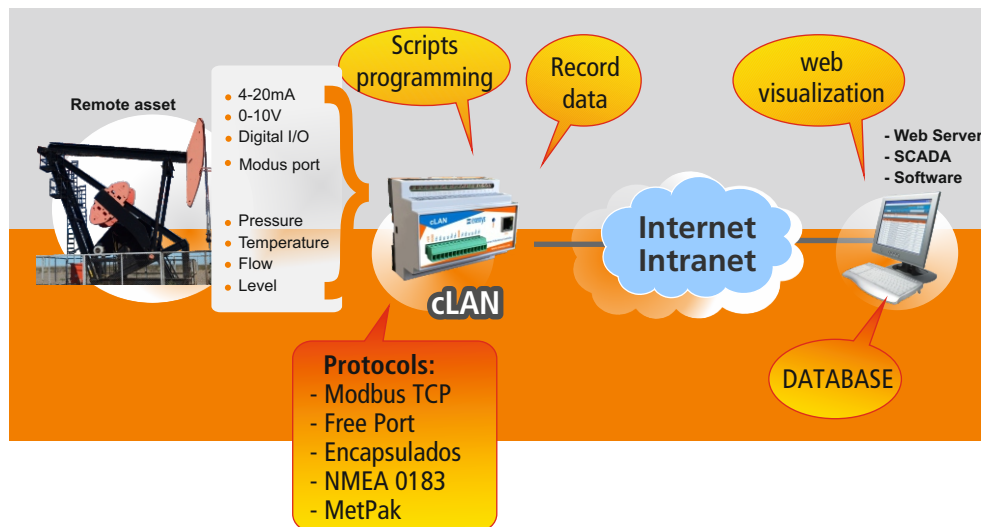
cLAN

Programmable Module with Scripts

Smart RTU



★ GENERAL SCHEME OF OPERATION



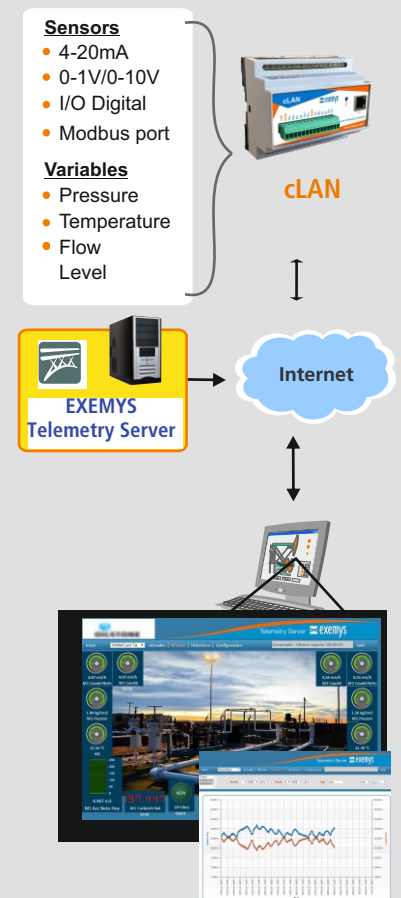
The cLAN helps control and upervise any kind of equipment from distance, be it a control system or process system facilitating the implementation of the remote telemetry systems.

The cLAN connection is by middle of an ethernet port 10/100 Mbit TCP/IP.

★ GENERAL FEATURES

- Ethernet Port.
- Digital Inputs and Outputs
- Pulse count inputs
- Analog Inputs for Sensors, Transmitters or Transducers
- Time stamped Data Logging
- Logic control using SCRIPT programming
- Modbus TCP and Serial slave for direct SCADA connection.
- NMEA 0183 and MetPak (Gill Instruments) support
- Free Port (user protocol parsing using script programming)
- Satellite module antenna (optional)
- FTP client to send logged data
- I/O expansion using embedded Modbus Master
- Transparent remote Access to serial port.
- SNMP V1 support

EXEMYS WEB TELEMETRY SERVER COMPATIBLE



For pricing or any further information, please contact Omni Instruments Ltd.

TECHNICAL SPECIFICATIONS

- Protocols:** Modbus Master/Slave, Modbus TCP Slave, Iridium SBD, NMEA 0183 y MetPak (Gill Instruments), Free Port (User protocol parsing using script programming)
- Serial Port:** 2 Ports RS232 or Rs485 (depending on model) for Encapsulation Transparent of Serial Protocols or Modbus Protocol.
- Ethernet Port:** 1 Port 10/100 Mbit.
- Supported devices:** Device with serial port RS232 / Rs485.
- Digital I/O :** Model 3524: 16 inputs (8 for pulses) and 8 outputs
Model 2205: 10 I/O (10 for pulses)
- Analog Inputs:** Model 3524: 8 inputs: 0-1Vdc, 0-10Vdc, 4-20mA
Model 3404: 8 differential inputs: 0-1Vdc, 0-10Vdc, 4-20mA
- Pulse count Input:** Model 3524: 8 inputs: Fmax=1KHz, Pulso=Min 0.5ms.
Model 2205: 10 inputs: Fmax=45Hz, Pulso=Min 25ms.
- Data Logging:** Non-Volatile memory to store records and events. Real time clock
- Configuration:** Local and Remote using the Ethernet port
- Indicators:** Power, State and Link LEDs
- Power Input:** +10 to 30 Volts DC, 190mA@12Vdc Max., 100mA@ 24Vdc Max.
- Dimensions:** Model 3524 y 1520: 85x60x105mm (Height x Width x Length), 150gr.
Model 1205, 3404 y 2205: 100x22.5x112mm, 100gr.
Model 1101: 115 x 45 x 90 mm, 150 gr.
- Temperature:** -15 a 65 °C.



IEC 60950-1:2005+A1

SISTEMA DE GESTIÓN ISO 9001:2015

GESTIÓN
DE LA CALIDAD

RI-9000-6174

Acreditado por OAA



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AVAILABLE MODELS



PART NUMBER	ETHERNET PORT	SERIAL PORT	DIGITAL INPUTS	DIGITAL OUTPUTS	ANALOG INPUTS	SCRIPT	EXPANSION I/O
CLAN-1205-XF	10/100 Mbit	2 Ports 1x RS232 + 1x RS485/422 Iso	---	---	---	YES	YES
CLAN-2205-XF	10/100 Mbit	2 Ports 1x RS232 + 1x RS485/422 Iso	10 Configurables (10 for pulses)		---	YES	YES



PART NUMBER	ETHERNET PORT	SERIAL PORT	DIGITAL INPUTS	DIGITAL OUTPUTS	ANALOG INPUTS	SCRIPT	EXPANSION I/O
CLAN-1520-XF	10/100 Mbit	2 x RS232 /485	---	---	---	YES	YES
CLAN-3524-XF	10/100 Mbit	2 x RS232 /485	16 (8 for pulses)	8	8 0-1V, 0-10V, 4-20mA	YES	YES



PART NUMBER	ETHERNET PORT	SERIAL PORT	DIGITAL INPUTS	DIGITAL OUTPUTS	ANALOG INPUTS	SCRIPT	EXPANSION I/O
ERD-1101-XF	10/100 Mbit	1 RS232/485	---	---	---	NO	NO



Whilst every effort has been made to ensure the accuracy of this specification, we cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

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