

Industrial IIoT Telemetry with Ethernet/Wi-Fi communication

cLAN-XF



PROGRAMMABLE WITH SCRIPTS



WITS Protocol

cLAN-XF Product Family

With the cLAN-XF product series, you can remotely monitor and control sensors, transducers, or devices located in dispersed locations.

The information can be viewed using:

- 1) Your own SCADA system.
- 2) Your own monitoring software.
- 3) Through our Web Server, with an intuitive graphical interface for data visualization.

Remote Asset to Monitor and/or Control



Field Sensors

- 4-20mA
- 0-1V/0-10V
- Digital I/O
- Modbus Port
- Pressure
- Temperature
- Flow
- Level
- Etc



cLAN-XF

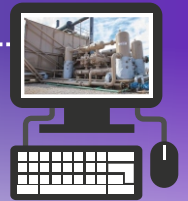
WiFi/LAN

(According to the model)

INTERNET

Access from:

- Exemys Web Server
- Your own SCADA
- Your own Software



TECHNICAL FEATURES

- Ethernet or Wi-Fi communication
- 4-20mA and 0-10V inputs
- Digital Inputs and Outputs
- Pulse Counting Inputs
- RS232/485 Serial Ports

PROGRAMMABLE WITH SCRIPTS

Program Special Functions

- Mathematical Operations
- Logical Operations
- Timing Operations
- Reading of Internal Inputs
- Turning Digital Outputs On and Off
- Serial Port Data Interpretation
- MQTT Data Publishing/Receiving

ADDITIONAL FEATURES

- Modbus ASCII to Modbus TCP Converter
- Modbus RTU/ASCII to SNMP Converter
- Modbus TCP to SNMP Converter

GENERAL FEATURES

- Modbus Serial and TCP Slave for direct connection to a SCADA
- I/O expansion via Modbus Master, integrated in the device
- Event logging with Date and Time
- NMEA 0183 and MetPak (Gill Instruments) protocols
- SNMP V1 protocol with trap sending
- FTP client for log uploads
- Internal programming logic via SCRIPTS
- Data publishing in WITS serial protocol (via Script)
- Transparent encapsulation of serial communication protocols
- Free Port (User-programmable protocol via Scripts)
- Automatic reconnection in case of link failure

Web Server for Telemetry developed by EXEMYS



ORDERING INFORMATION

PART NUMBER	ETHERNET PORT	SERIAL PORT	DIGITAL INPUTS	DIGITAL OUTPUTS	ANALOG INPUTS	SCRIPT	I/O EXPANSION
CLAN-1205-XF	10/100 Mbit	2 Ports 1x RS232 + 1x RS485/422 Isolated	---	---	---	YES	YES
CLAN-2205-XF	10/100 Mbit	2 Ports 1x RS232 + 1x RS485/422 Isolated	10 Configurable (10 for pulse)	---	---	YES	YES
CLAN-3625-XF-WIFI	Ethernet and WiFi	1x RS232 /485	6 (6 for pulse)	---	4 0-1V, 0-10V, 4-20mA	YES	YES
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 pulse)	8	8 0-1V, 0-10V, 4-20mA	YES	YES



SPECIAL PRODUCTS

CLAN-3524-XF-POT

Ethernet RTU 10/100 BT. 2 RS232 or RS485 Ports, 16 Digital Inputs, 7 Open Collector Digital Outputs, 7 Inputs for 4-20mA/0-10V/0-1V. **1 Potentiometer Input 1KOhm**. USB Configuration, RTC, Memory for Logs. Modbus Master/Slave. Power Supply 10-30 VDC.

CLAN-3524-XF-2POT

Ethernet RTU 10/100 BT. 2 RS232 or RS485 Ports, 16 Digital Inputs, 7 Open Collector Digital Outputs, 7 Inputs for 4-20mA/0-10V/0-1V. **2 Potentiometer Inputs 1KOhm**. USB Configuration, RTC, Memory for Logs. Modbus Master/Slave. Power Supply 10-30 VDC.

SCRIPTS

- Script to convert from WITS Serial to Modbus
- Protocol Conversion Script for DAVIS Stations to Modbus TCP/IP & Modbus RTU
- Protocol Conversion Script for ASCII (Scales) to Modbus TCP/IP & Modbus RTU

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GESTION DE LA CALIDAD

RI-9000-6174

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IRAM-ISO 9001:2015

¿What is Industry 4.0 ?

END OF THE 18th CENTURY



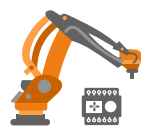
INDUSTRY 1.0
Mechanization

BEGINNING OF THE 20th CENTURY



INDUSTRY 2.0
Electrification

EARLYS 70s



INDUSTRY 3.0
Automation

PRESENT



INDUSTRY 4.0
Connected Machines

¿ What is Industrial IoT ?

