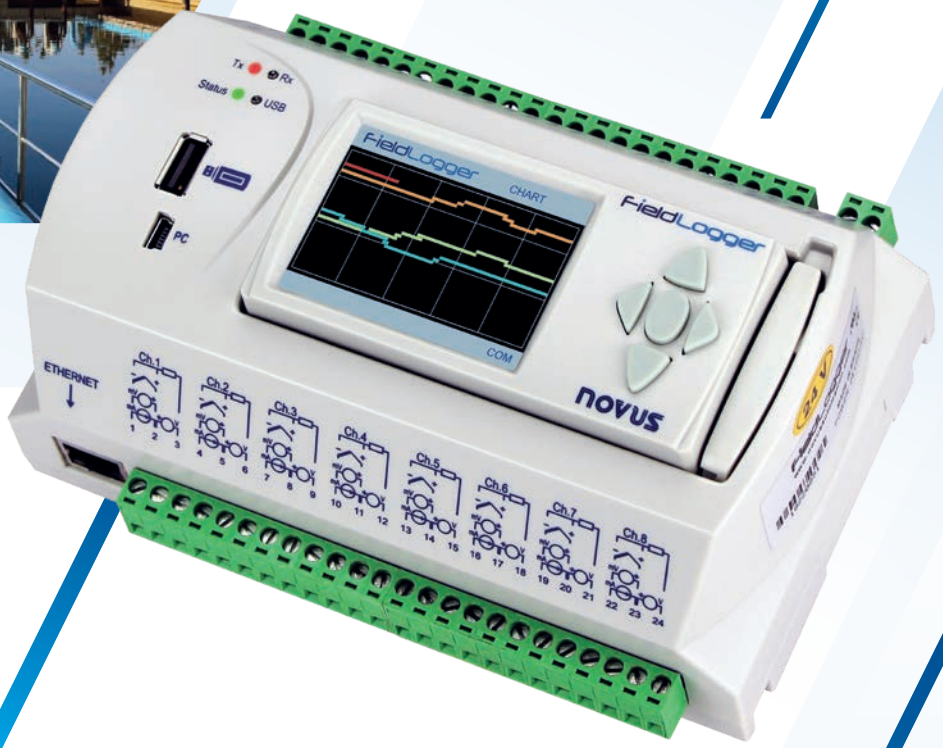


INDUSTRIAL MULTICHANNEL DATA LOGGER

FieldLogger

1.888.610.7664 www.calcert.com sales@calcert.com
We Measure, We Control, We Record

HIGH DENSITY MEASUREMENT POINTS

Embedded I/Os:
• 8 Universal analog inputs: thermocouples, voltage, current and RTD sensors
• 8 Digital I/Os individually configurable as input or output
• 2 Relay outputs
• 128 virtual channels (refer to Mathematical Functions)

Expansible I/Os:
64 remote channels for any legacy Modbus (RTU) device

VERSATILE CONNECTIVITY FOR SEVERAL APPLICATIONS

The ethernet interface provides communication with multiple protocols: **NOVUS Cloud** (JSON), Modbus TCP, Modbus gateway mode, FTP server/client, SMTP (e-mail), HTTP server (custom webpage) and SNMP. The wide range of connectivity allows real-time data for stand-alone application or as a component of supervisory system.

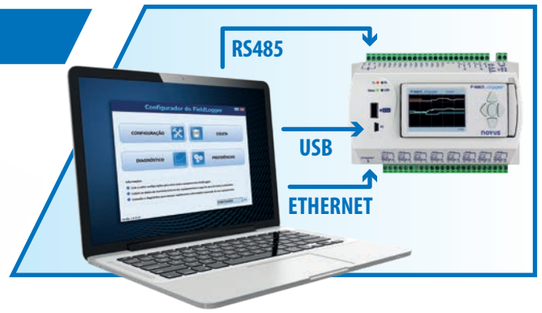
The RS485 interface enables to operate as Modbus RTU Master, reading remote devices or to operate as Modbus RTU Slave for communicating with off-the-shelf HMI, SCADA, or Host system.

Configuring and downloading data is an easy task through the USB "Device" port. And the USB "Host" port is available to download recorded data into USB drive.

QUICK AND EASY STARTUP THROUGH SOFTWARE

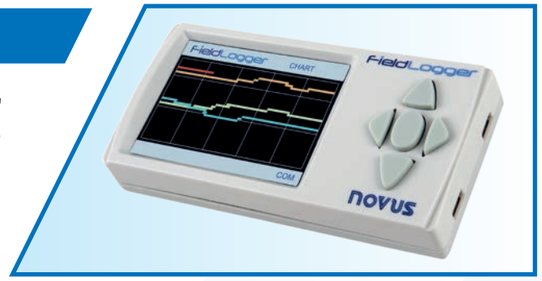
Leading the way for all user experience levels, **FieldLogger** configuration software is designed for intuitive handling in wizard mode.

Beyond the usual data download, the software supports the data management in on-premises or cloud IT hosting infrastructure. The platform has built-in model reports intended to help deep and funded data analysis.



LOCAL INDICATION HMI

With a dedicated RS485 serial port, **FieldLogger** offers an optional 2.4" color QVGA screen with current channel value, history chart and status information. It also allows to view and configure parameters via the keyboard. Despite of **FieldLogger** HMI model, it may be used with any off-the-shelf HMI in the market.



ALLOWS TO RECORD LEGACY MODBUS INSTRUMENTS DATA

EXPANSIBLE CAPABILITY TO INCREASE MEASUREMENT POINTS

HIGH SPEED LOGGING FOR DYNAMIC PROCESSES

DESIGNED TO MEASURE MINOR SIGNALS

Developed to comply with the most dynamic processes requirements, **FieldLogger** has one of the fastest sampling and logging rates among the competition. In addition, its 24-bit resolution is able to detect sensitive measurement variations, which is an essential feature to reach high performance logging.

FieldLogger brings the legacy instruments data from factory floor to management visibility. Its expansion capability allows to increase the measurement points quantity through its communication interfaces to fit process needs.

Registering data from remote devices it gathers all variables in its memory. Therefore, the mass of data is kept available to be accessed through connectivity resources, complying with industry 4.0 roadmap.

EMBEDDED MEMORY WITH EXTENSION CAPABILITY

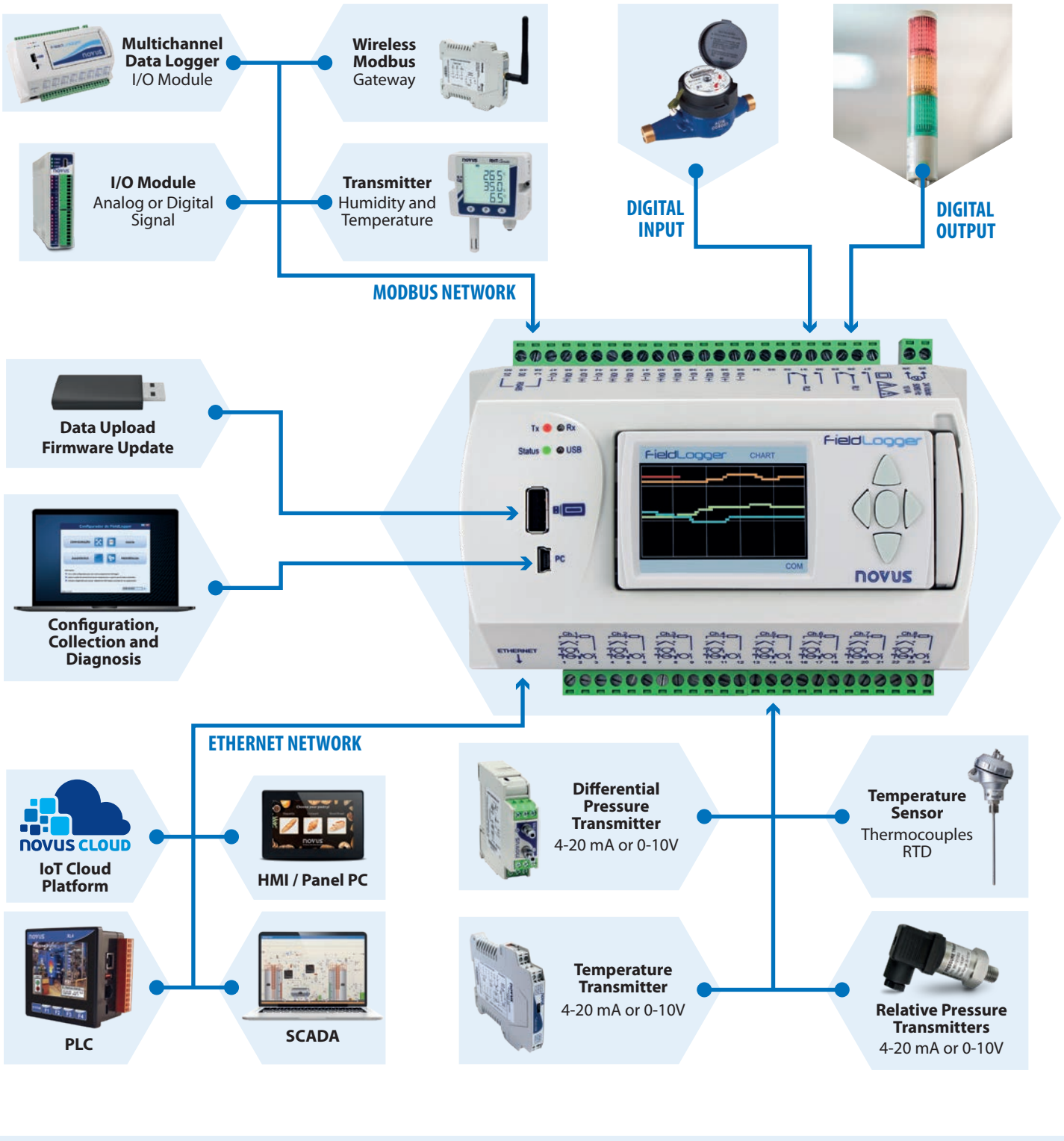
• Internal memory of up to 512,000 recordings
• Memory extension with SD or SDHC card
• Records more than 200 channels (local, remote or virtual variables)
• Recording rate of 1,000 logs/second (max)
• Data download through configuration software (USB device, RS485, Ethernet or USB drive)

ADVANCED MATH FUNCTIONS TO CONVERT IN USER UNIT

• Supports up to 128 virtual channels
• Each virtual channel is a mathematical or logical operation performed over any input channel
• The result of one virtual channel can be used as input to another, which allows one to create complex formulas

PROCESS AWARENESS VIA WARNING BY EMAIL AND SNMP

• Up to 32 configurable alarms (with local, remote, or virtual channels)
• The occurrence of an alarm allows:
- Relay activation
- Digital outputs activation
- Sending emails to multiple recipients
- Sending SNMP traps
- Start and stop logging



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