



# INDUSTRIAL MULTICHANNEL DATA LOGGER

FieldLogger



## 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)

### Expandable 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.

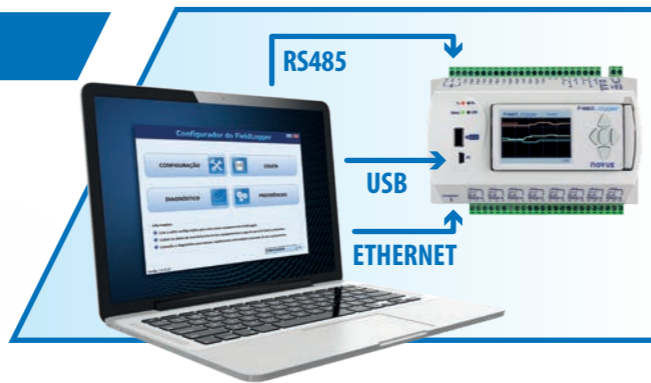
Configuring and downloading data is an easy task through the USB "Device" port. And the USB "Host" port is available to download recorded data into USB drive.



## QUICK AND EASY STARTUP THROUGH SOFTWARE

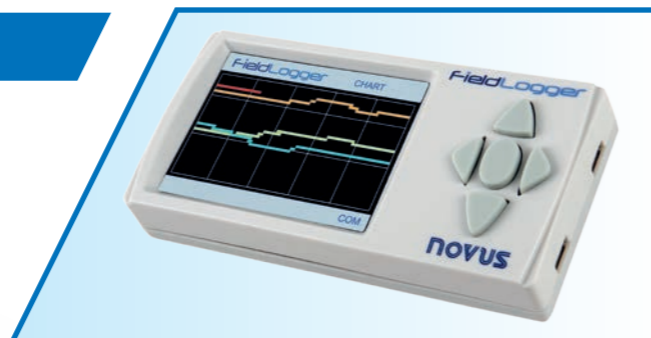
Leading the way for all user experience levels, **FieldLogger** configuration software is designed for intuitive handling in wizard mode.

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.

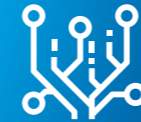


## LOCAL INDICATION HMI

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



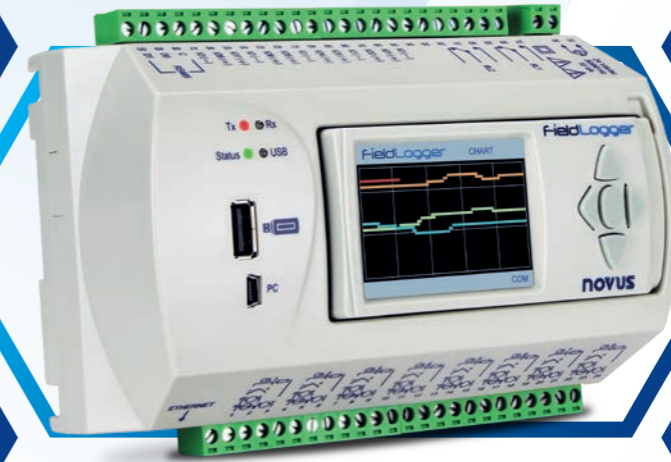
EXPANSIBLE CAPABILITY  
TO INCREASE  
MEASUREMENT  
POINTS



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)



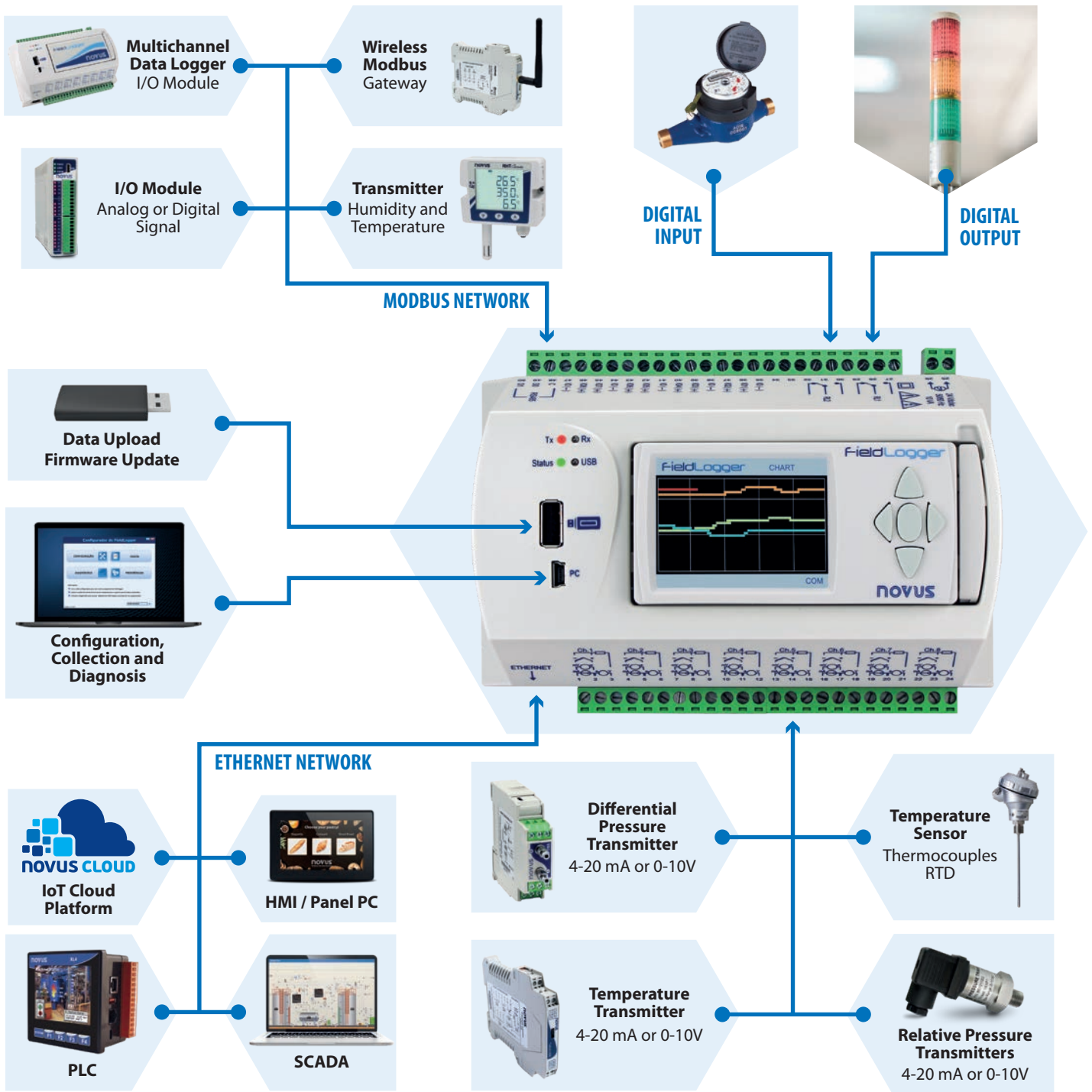
ADVANCED MATH  
FUNCTIONS TO CONVERT  
IN USER UNIT

- 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



#### Headquarters and Factory

Rua Engenheiro Homero Carlos Simon, 737  
Guajuviras - 92442-000 - Canoas, RS - Brazil  
**Phone: +55 51 3323-3600**  
**Technical Support: +55 51 4007-1596**

#### Curitiba - Commercial Office

Rua Sete de Setembro, 4848 Cj.1302  
Batel - 80240-000 - Curitiba, PR - Brazil  
**Phone: +55 41 3244-0514**  
**pr@novusautomation.com**

#### Argentina - Commercial and Services Office

Zapiola, 829 C1426ATQ  
Colegiales - Buenos Aires - Argentina  
**Phone: +54 11 4554-6441**  
**argentina@novusautomation.com**

#### São Paulo - Commercial Office

Rua Almirante Pereira Guimaraes, 500  
Pacaembu - 01250-000 - São Paulo, SP - Brazil  
**Phone: +55 11 3097-8466**  
**sp@novusautomation.com**

#### USA - Commercial Office

201 South Biscayne Blvd, Suite 1200  
Miami, FL - 33131 - USA  
**Phone: +1 786 235-2674**  
**info@novusautomation.com**

#### France - Commercial Office

13 Chemin Baudy  
69260 Charbonnières Les Bains - France  
**Phone: 04 37 22 20 43**  
**info@novusautomation.fr**