MDB-E

Ethernet – Serial RS485 Converter
Brochure

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4neXt is an established group of experts that designs and manufactures products for automation, data collection and management in M2M and IoT applications. Our product lines include: Configurable Data Logger, Programmable RTU, Communication Gateway, Protocol Converters, Bridges and Wireless Sensors.

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Above All Else… GATHER THE DATA

General Description

MDB-E is a bidirectional converter between the Ethernet communication channel and RS485 serial channels. Therefore, it allows all devices equipped with a serial port to communicate with software or cards on Ethernet communication.

Thanks to the NFC interface (Near Field Communication) the configuration is very simple and practical. A dedicated APP allows you to read, modify and set all device parameters.
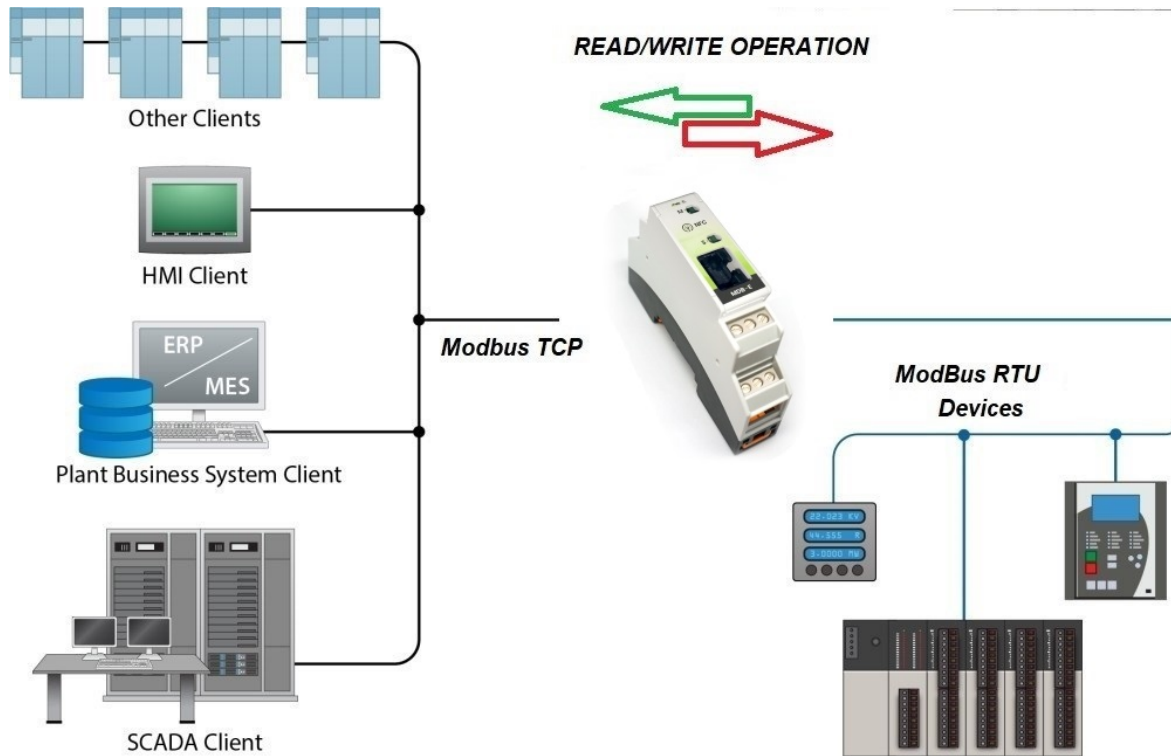
The galvanic isolation of the serial ports ensures protection for all connected instruments and is a guarantee of isolation from the rest of the system.
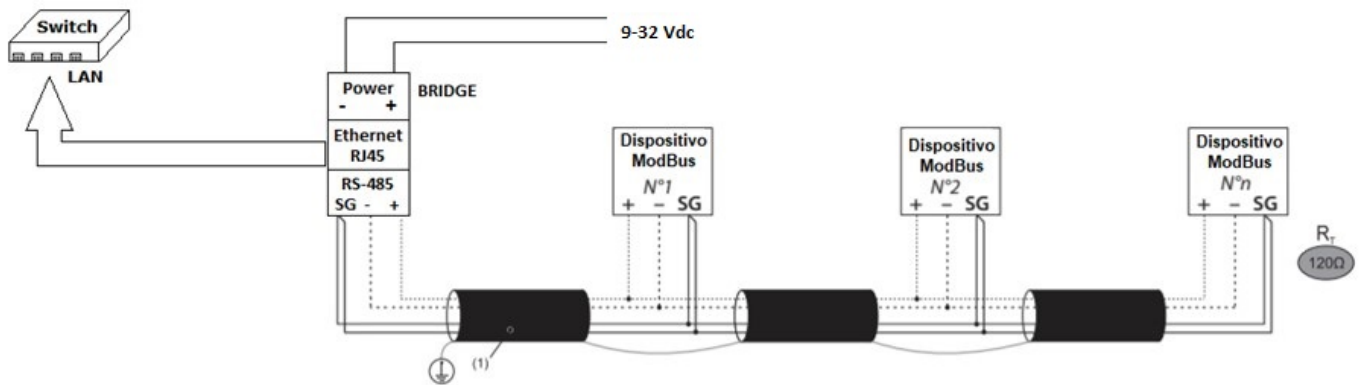
Technical Features

GENERAL	SOFTWARE
10-100Mb/s Ethernet port	ModBus TCP/ModBus RTU conversion on RS485
Optoisolated RS485	Bidirectional protocol conversions on all channels
Serial communication speed up to 115.200 bit/s	Easy and fast configuration through APP
Power supply 9-32VDC	Default parameters: IP: 192.168.1.100 DHCP disabled 9600 bps
Average consumption 30mA	
MECHANICAL	**ENVIRONMENTAL**
IP41 plastic container for DIN rail mounting	Operating temperature: -20ºC ÷ +60ºC
Size: 18 x 90 x 60 mm (1 DIN module)	Relative humidity: from 0 to 80% without condensation
	Storage temperature: -40ºC ÷ +80ºC

BIDIRECTIONAL READING AND WRITING

READ/WRITE OPERATION

Other Clients

HMI Client

ERP
MES

Plant Business System Client

SCADA Client

Modbus TCP

ModBus RTU Devices

Connection Scheme

Switch
LAN

9-32 Vdc

Power
− +
BRIDGE

Ethernet
RJ45

RS-485
SG − +

Dispositivo ModBus N°1
+ − SG

Dispositivo ModBus N°2
+ − SG

Dispositivo ModBus N°n
+ − SG

R$_T$
120Ω

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FOR MORE INFORMATION
CONTACT US

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