



MDB-W

WiFi – Serial RS485/RS232 converter

Brochure

4neXt S.r.l.s.

Via L. da Vinci, 15/4

30030 - Vigonovo (VE) - ITALY

TEL: +39 049 0981450 EMAIL: info@4next.eu

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-W is a bidirectional converter between the **WiFi** communication channel and **RS232 / RS485** serial channels. Therefore, it allows all devices equipped with a serial port to communicate with software or cards based on IP communication and which share a LAN network with WiFi.

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.

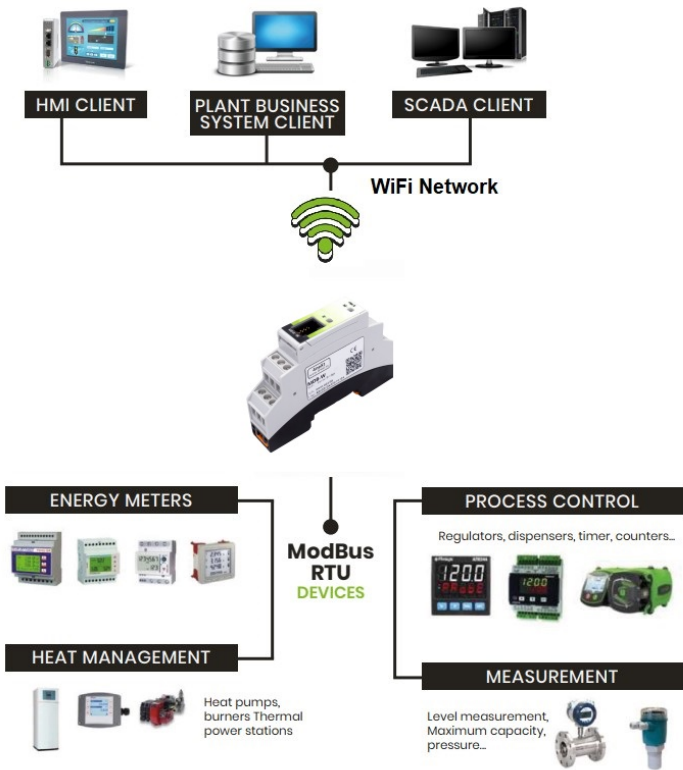
Data can be transferred using TCP / IP, UDP or http protocols using the wireless infrastructure 802.11 b/g/n which allows you to use existing Wi-Fi network connectivity.



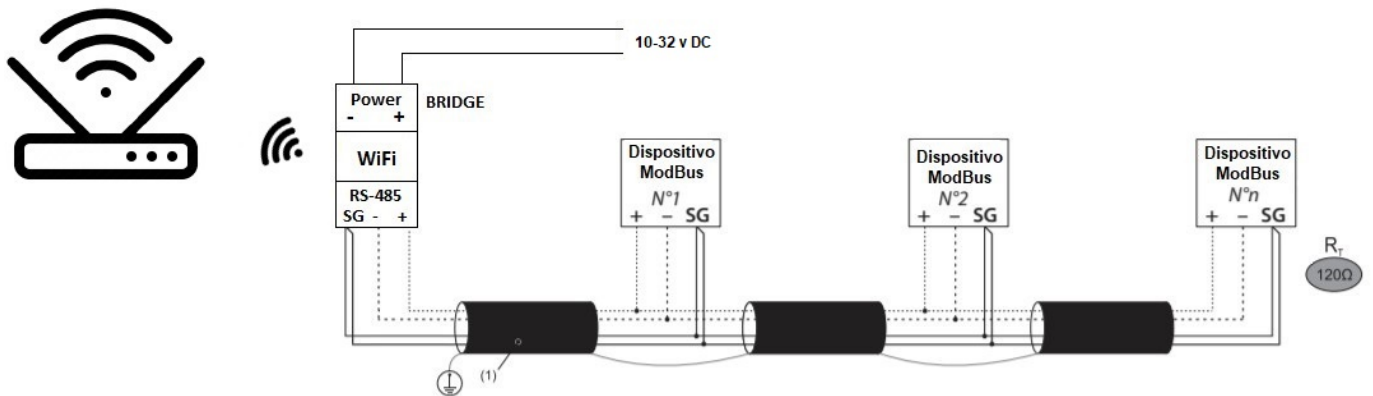
Technical Features

GENERAL	SOFTWARE
Wi-Fi 802.11 b/g/n, WPA, WPA2, WPS	ModBus TCP/ModBus RTU conversion on RS485
Access point or client Mode	ModBus TCP/ModBus RTU conversion on RS232
TCP, UDP or ModBus TCP	ModBus RTU RS485/RS232 conversion
Opto-isolated RS485	Bidirectional protocol conversions on all channels
Opto-isolated RS232 (Rx, Tx, GND)	Easy and fast configuration through WEB
Serial communication speed up to 115.200 bit/s	Default parameters:
Power supply 10-32 v DC	IP: 192.168.1.100 DHCP disabled
Average consumption 30mA	9600 bps
MECHANICAL	ENVIRONMENTAL
IP41 plastic container for DIN rail mounting	Operating temperature: -20°C ÷ +60°C
Size: 90 x 17 x 60 mm (1 DIN module)	Relative humidity: from 0 to 80% without condensation
	Storage temperature: -40°C ÷ +80°C

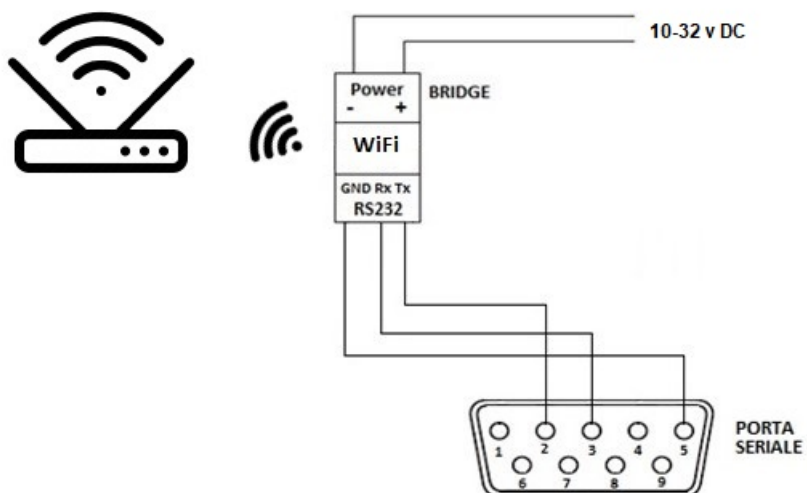
The advantage consists in being able to **interface** any device equipped with the classic **RS232** or **RS485** serial port with tools and software based on IP protocols including **ModBus TCP**.



WiFi – RS485 Connection Scheme



WiFi – RS232 Connection Scheme





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FOR MORE INFORMATION
CONTACT US

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