

# MDB-W

## WiFi - RS232/RS485 serial Bridge



### Quick Start

#### 1. Wiring and connection

##### 1.1 Power supply

Connect MDB-W to a 10-28 Vdc power supply as in Fig.1.

N.B. MDB-W is protected with polarity inversion but for a correct operation the polarity must be respected.

##### 1.2 RS232 and RS485 serial

MDB-W allows you to bridge both an RS485 and an RS232 serial. Terminals for the connection of the serial ports are as in Fig 2.

##### 1.3 Ethernet

Currently the Ethernet port is not used.



Fig.1 Power supply connection



Fig.2 RS232 and RS485 serial connection

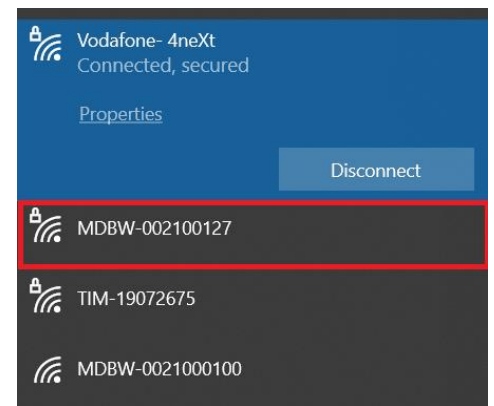


Fig.3 WiFi network published by MDB-W

#### 2. Access and configuration

MDB-W is equipped with an integrated WEB server, therefore it can be configured using a standard browser. To access the configuration pages, connect to the MDB-W Wi-Fi network.

It can be recognized among the available WiFi networks by the name MDB-W + <serial number> as in Fig. 3.

In the example, 2 MDB-W are available, the 0021000100 and 002100125 S/N.

Connect to the published network, the password is 123456789.

##### 2.1 Configuration

After connecting to the Wi-Fi network that MDB-W published, open your browser and type the following URL address: <http://192.168.4.1>.

It will then be possible to access the MDB-W configuration and consultation pages.

The first screen (Fig. 4) is the user name and password authentication page.

The default values are:

User name: **admin**  
Password: **admin**

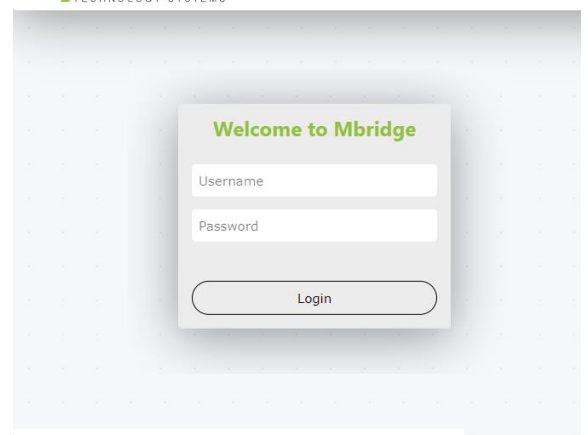


Fig.4 Bridge log in

## 2.2 Configuration and setting

After logging in with username and password, choose the WiFi menu to configure the WiFi network to which MDB-W must be connected.

- SSID name is the name of the WiFi network to which MDB-W must be connected.
- WPA password: WiFi access password

N.B. The name you enter must be the same as the network name, including capital letters, spaces and special characters.

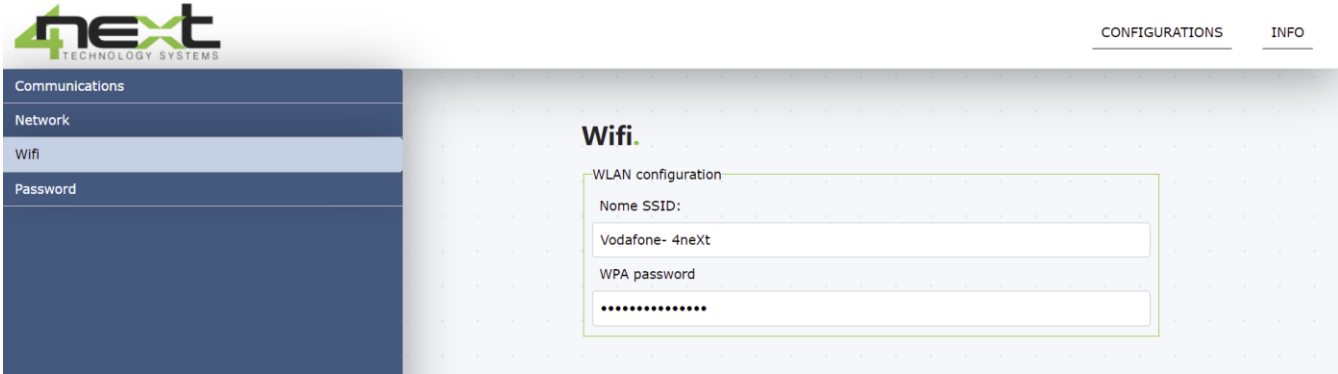


Fig.5 WiFi network configuration screen

For the complete configuration and further information, please consult the manual and application notes available on our website: [www.4next.eu](http://www.4next.eu).

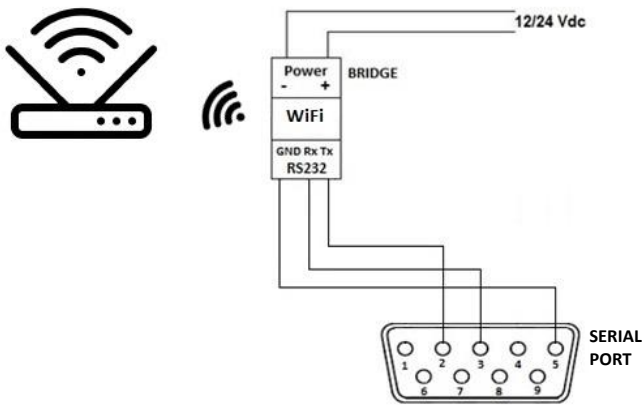


Fig.6 WiFi-RS232 connection scheme

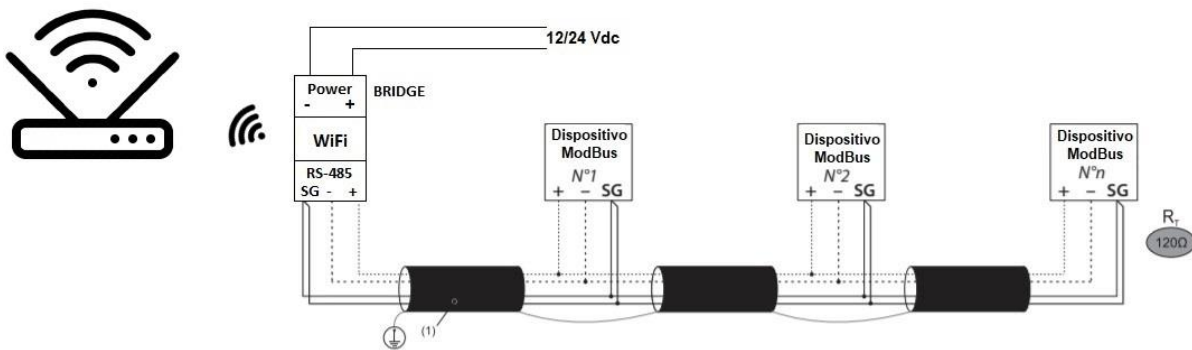


Fig.7 WiFi-RS485 connection scheme

Reading the QR code below you can access the MDB-W WEB page.



MDB-W WEB page