

# NG-IoT

## RS-485 /Wi Fi Transparent Converter



### SYSTEM FEATURES

All settings and configurations can be made via a Web page within the device itself and it can be read by any Browser on any computer and mobile device connected to a Wi-Fi network.

Transparent conversion of RS-485 data and to send them to the selected Port and IP address. *i.e. From RTU Modbus Protocol to Modbus over TCP Protocol.*

NG-IoT allows converting data flows from RS-485 Bus into Wi-Fi connection.

Thanks to a page created by the Web Server within the instrument, that can be read on any computer and mobile device bearing any kind of Operating System, it is possible to set all serial connections' parameters (Bitrate, Data Bit, Parity, Stop Bit) as well as Wi-Fi's (IP, Gateway, Subnet mask, Port, SSID, Password).

NG-IoT can be linked to the Wi-Fi network or operate through its internal Access Point; the device basically generates a Wi-Fi network to which the user has free access to set parameters and manage data flow.

Box	single DIN module box (18x104x64 mm)
Power Supply	5÷25 Vac, 6÷35 Vdc (with no need for polarity)
Maximum absorbed power	2 VA
Standard serial interface	2-wires galvanic insulated RS-485. A termination resistor can be inserted
Available Bitrates	2400; 4800; 9600; 19200; 38400; 56000; 57600; 115200
Parity	Even, Odd o none
Data Bit	7 or 8
Stop Bit	1 or 2
Wi-Fi	802.11b/g/n with internal antenna and connector for an external one as well
Connection	Access Point function or Wi-Fi connection
LED signal of Wi-Fi network status	Yes
LED signal of Rx/Tx serial data flow	Yes
Reset / Default factory configuration button	Yes
Wi-Fi authentication	WPA2 - PSK / WPA / WEP

