



Quick Start Guide — Using the RSWIFI Module with elc Products

Purpose

This "Quick Start" guide helps you easily and quickly set up the **RSWIFI** module with **elc** products that support serial communication.

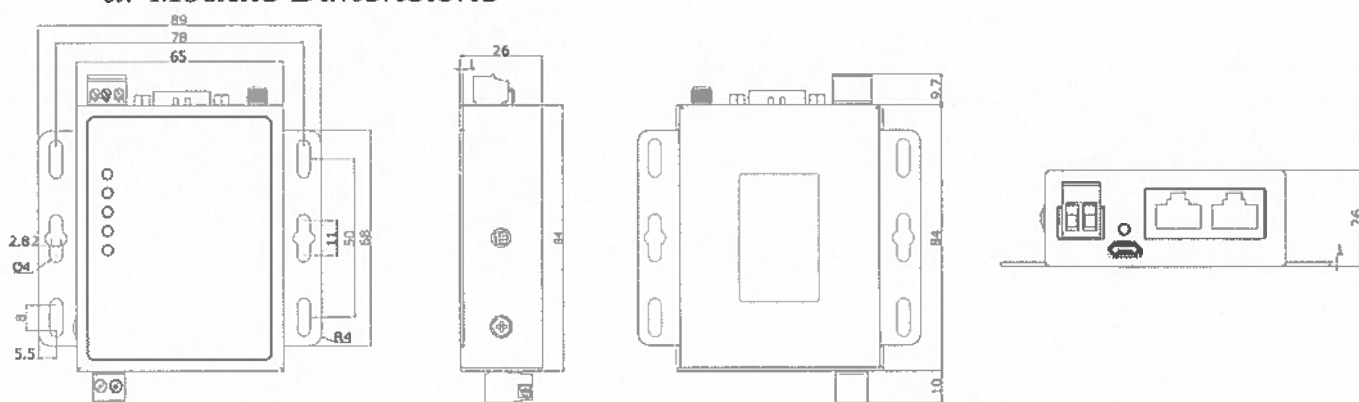
It does not cover all available features.

For advanced use or specific configurations, please download the full manual at

<https://elc.fr>

1. Product Description

a. Module Dimensions



b. Modules Détails

1. RS485 Port
2. RS232 Port
3. Wi-Fi Antenna Mounting Point
4. Power Connector
5. WAN/LAN Port
6. Dedicated LAN Port

Attach the Wi-Fi antenna to the RSWIFI module (3).
Connect the two power adapter wires to the removable terminal block (4).

Plug the power cord into the adapter, then connect the power supply to a wall outlet.



The module powers up : the **POWER** LED lights up, followed by the **WORK** LED after a few seconds. The **WORK** LED then starts blinking.

2. Serial Ports

a. RS232 Port

To use **RS232** communication, connect your elc product with a **male DB9** connector to the module's **RS232** port using a **female-to-female** serial cable.

b. RS485 Port

To use **RS485** communication, use the **3-pin removable connector** to connect **B** and **A** respectively to **D+** and **D-** on your elc product.

Use a **twisted pair of wires** (not supplied).

3. RSWIFI Module Configuration

To configure the module, connect it to its own network. Two options are available :

- Wi-Fi Connection
 - Use a device with Wi-Fi capability (PC, smartphone, etc.).
 - Find the Wi-Fi network **RSWIFI-xxxx** (xxxx = last 4 digits of the MAC address).
 - Connect (no default password).
 - Open your browser and go to **192.168.1.1**.
 - Default login : **admin / admin**.
- ETHERNET Connection
 - Connect the module to a computer via an Ethernet cable on the **LAN port (6)**.
 - In your browser, go to **192.168.1.1**.
 - Default login : **admin / admin**.

Serial Port Settings

In the left menu, open :

Serial Server → **Serial Port Settings**, then configure **COM1-485** or **COM2-232** as required. Default elc product configuration :

- **Baud Rate:** 9600
- **Data Bits:** 8
- **Stop Bits:** 1
- **Parity:** NONE

Click **Apply** to confirm.

Basic Configuration						
Name	Baud Rate	Data Bits	Stop Bits	Parity	Packaging Interval	Packaging Length
COM1-485	9600	8	1	NONE	0	1000
COM2-232	9600	8	1	NONE	0	1000

Communication Channel Setup

In the menu : **Serial Server** → **Communication**, configure a channel as follows :

- **Name:** your choice
- **Protocol:** TCPS or UDPS
- **Enable:** ON

Click **Add and edit...**, then :

- Set a **Local Port** between **1024 and 65535** (commonly : 8888 or 8899).
- In **Bind**, select RS232 or RS485 according to your setup.
- Click **Save** to finish.

Configuration	
Enable	ON
Name	TCP Server
Description	TCP Server
Local Port	8899
Maximum Sockets Supported	8 1-16
Exceeding Maximum	KICK
Transmission Mode	Pass-Through
bind	COM2-232
Offline Data Cache	OFF

4. Communication with your elc Product

Once your module is configured and your elc product is connected, you can communicate with it using any software that supports **TCP/IP** or **UDP** protocols.