UWP modem kit 4G

Configuration from UWP 3.0 Tool

Quick guide

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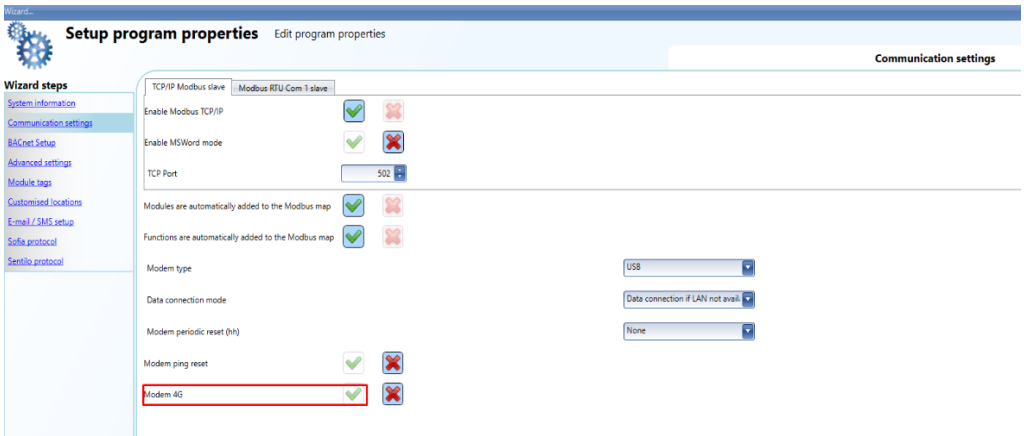
How to configure the UWP modem from the UWP 3.0 Tool

1. Connect to the UWP 3.0 Tool using a dongle-USB modem connected to the UWP 3.0 through SH2DSP24.
2. Enter the **Communication settings** window:
   Program setup > ***Default system settings*** > ***Communication settings***
3. Select the **Modem type** from the drop-down list.

If you select…	Then…
SH2UMMF124*	the universal mobile modem is configured
USB	the USB Dongle modem connected to the SH2DSP24 module is configured

**Note: SH2UMMF124 mobile modem is no longer available: it is mentioned here only for compatibility with the past.*

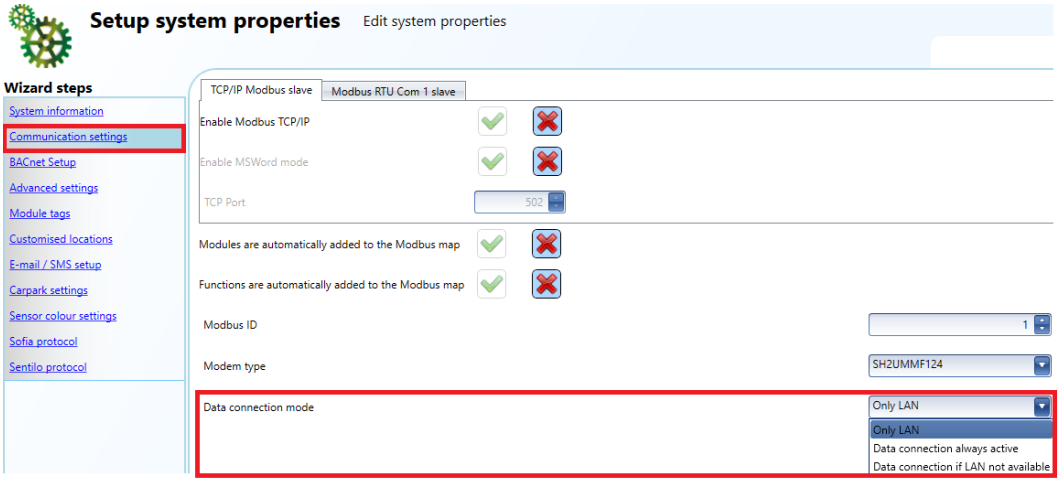
4. Select the **Data connection mode** among the following modes:
   1. **Only LAN**
   2. **Data connection always active**
   3. **Data connection if LAN not available**
5. From the **Modem periodic reset (HH)**, select a value from 1 to 24 hours.
   *Note: if you select **None**, the option is disabled. This is valid only in presence of LAN.*
6. Enable the **Modem ping reset** field to check the reachability of the remote servers.
   Note: if the servers are not reachable, the modem is automatically reset and the Internet connection is re-established.
7. Enable the **Modem 4G.**



   *Note: If it is **3G**, you don't need to enable **4G**.*
8. Fill in the **PPP modem APN** (**mandatory**) adding the NTP server of the Mobile Service Provider used by the modem.
   Note: some providers do not need other info to be added, such as modem connection number, username and password, so please check the provider requirements when you configure the modem settings.
9. Fill in the **PPP modem connection number**, **PPP modem username** and **PPP modem password** fields.
   Note: these fields are not mandatory. They depend on the mobile service provider.

Useful information

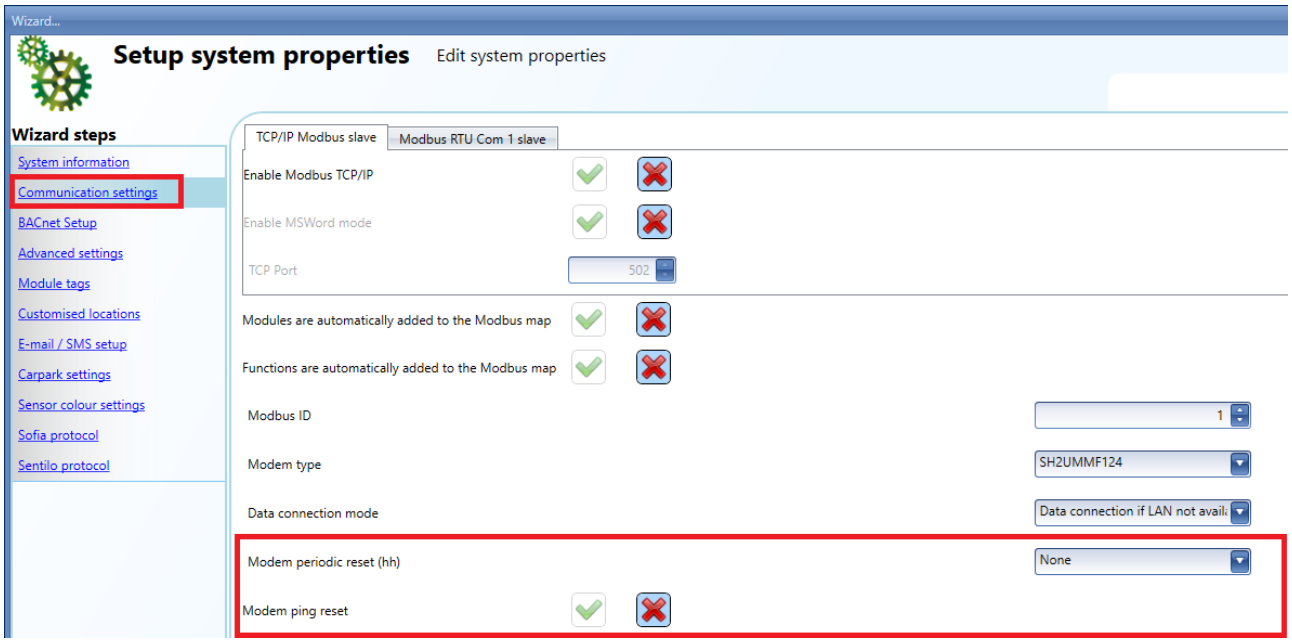
Data connection mode



You can set three different actions when the modem is connected to UWP 3.0:

1. **Only LAN**: the internet connection is not managed by means of the modem; the modem is only used to send and receive SMS.
2. **Data connection always active**. the system always uses the data connection to access the Internet.
3. **Data connection if LAN not available**. Usually the system works using the LAN connection. If the LAN connection is not available, the system uses the modem data connection and it will continue using it until a new configuration is written or the system is reset.

Modem periodic reset (hh) and modem ping reset



The **Modem periodic reset** is useful when the modem is used for the SMS function and it means that the modem is always available for sending and receiving messages.

The **Modem ping reset** is useful when the data connection of the modem is used to access the Internet and helps to maintain for as long as possible the dynamic IP address delivered by the Internet service provider (ISP).

The use of the **Modem periodic reset** and/or the **Modem ping reset** depends on the functions you have configured in the project.

Recommendations:

- *When the modem is used to access the Internet, the **Modem periodic reset** should be set to **None**.*
- *Frequent modem resets might create network inefficiency.*
- *If you select **Data connection if LAN not available** from **Data connection mode**, enable the **Modem ping reset** option. This permits you to get a dynamic IP whenever the system switches from the LAN to the modem.*

Further information

Document	Where to find it
UWP 3.0 Tool Manual	www.productselection.net/MANUALS/UK/uwp3.0_tool.pdf