Handling short instructions for

TINA

power supply:

If you want to use the device you have to supply power to it first.

The device can either be powered with 5V via the USB connector or with 24V via the included phoenix connector *(attention: polarity must be respected)*.
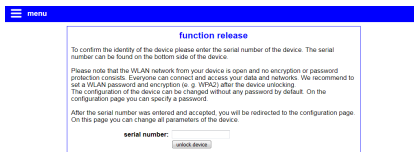
access to the web interface:

After you have supplied power to your device you have the ability to access the web interface of the device.

The *TINA* device provides an own WLAN network via it's integrated WLAN interface. The WLAN network has the name „TINA WiFi". This network is not encrypted, so you can connect to it easily without entering a password or something else.

If you are connected with the WLAN network of the *TINA* device your computer or smart phone get's an IP address automatically via DHCP. If your computer / smart phone is not configured for DHCP you can either configure your network card to use an IP address between 192.168.1.2 and 192.168.1.254 or activate DHCP on it.

If your computer doesn't have a WLAN interface or if you don't want to use it you can still access the *TINA* device through the LAN-A interface. On this interface no DHCP server is running, which means that you have to configure the IP address of your computer manually. Therefore you just have to assign an IP address from the range of 192.168.2.2 to 192.168.2.254 to your PCs network card.

Now you can open an internet browser (e. g. Mozilla Firefox) and enter the IP address 192.168.1.1 (for WLAN) or 192.168.2.1 (for LAN-A) in the address line. Next you should see the web interface of the **TINA** device with a hint window and an input field *(see picture on the right side)*. On this page you have to enter the serial number of the device, which can be found on the bottom of the device.

function release

To confirm the identity of the device please enter the serial number of the device. The serial number can be found on the bottom side of the device.

Please note that the WLAN network from your device is open and no encryption or password protection consists. Everyone can connect and access your data and networks. We recommend to set a WLAN password and encryption (e. g. WPA2) after the device unlocking.
The configuration of the device can be changed without any password by default. On the configuration page you can specify a password.

After the serial number was entered and accepted, you will be redirected to the configuration page. On this page you can change all parameters of the device.

serial number:

unlock device

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After you have entered the serial number the device is unlocked and can be used normally. To be able to customize the configuration directly, you will be redirected to the configuration page *(see picture on the left)* after entering the serial number. We recommend that you check and maybe customize the configuration.

As soon as you have saved the configuration via the "submit configuration" button on the configuration page, your browser will redirect you to the start page of the device *(see picture on the right)*.
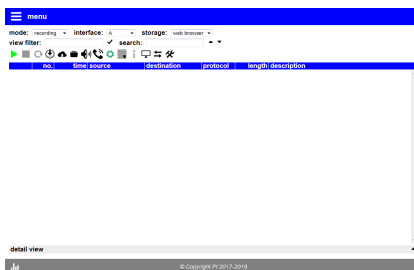
Analyzing the network traffic:

The **TINA** device has the ability to analyze the network traffic between two or more LAN subscribers. First you have to connect the first subscriber with a LAN cable to the interface A of the **TINA** device. Next you can connect the second subscriber with another cable to the interface B. If you have more than two subscribers you can connect a switch or hub to one or both interface(s).

For analyzing and controlling the network traffic you have several pages on the web interface: "overview", "network scan", "network tools" and "DHCP clients"

An detailed description as well as an explanation of the single web pages can be found in the manual of this device. The user manual can be found on the product page of our web page under the download section *Documentation → Handbook TINA*.
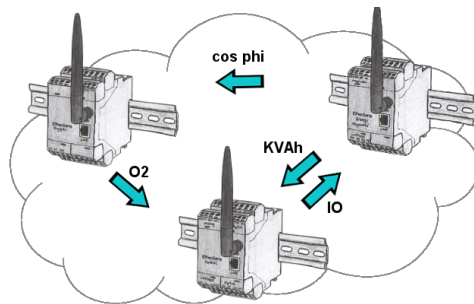
Menutree Website:

+ Products / docu / downloads
  + Hardware
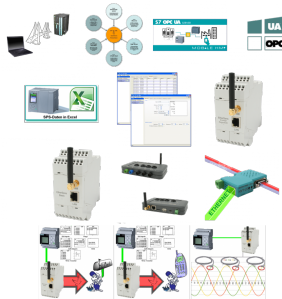   + Analysis technic
      + TINA

QR-Code Website:

Please make sure to update your drivers before using our products.

EtherSens-cloud

By the EtherSens-cloud each EtherSens-device can exchange data, transfer data and forward to other devices. As if you use one device that records all necessary parameters centrally.

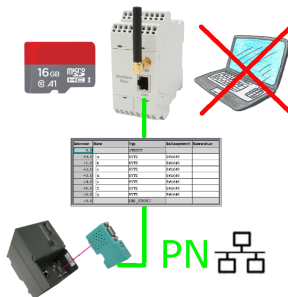For many PLC programmers and PLC users, the LOGO! a "toy", but that's not the case.
The LOGO! is a small-control that also finds its use. With the tools and hardware devices around the LOGO!-PLC, the user can process information in and from the LOGO! PLC.

Regardless of whether current-/voltage-values are stored in the LOGO! is to be processed, the LOGO! sent E-mail-messages, here the user will find many products related to LOGO!.

S7-PLC triggered DB-backup/-restore without additional PC via MPI/Profibus on SD-card