

TP200 MQTT Viewer Quickstart



Initial information

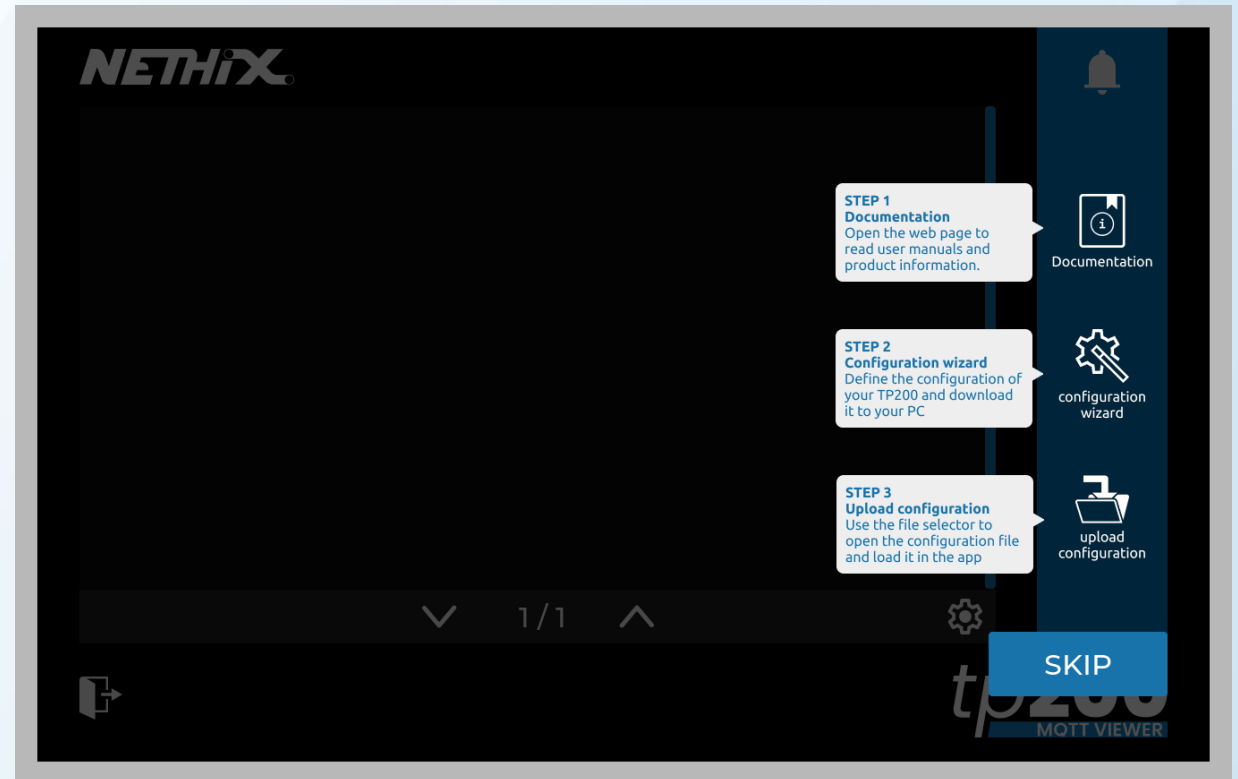
Before starting using TP200 MQTT Viewer is necessary to define the topics that you want to subscribe or publish to.

A widget at your choice can be then associated to any topic, in order to build up your own dashboard and show the status of each topic in an intuitive and immediate way.

A free online tool is available for this: it allows to make your own configuration in just a few steps and upload it inside the software TP200 MQTT Viewer.



To enter the tool, just click on **Configuration Wizard** on the left side panel.



Configuration Wizard

A new window will open on the browser; on this page it's possible to define the topics and the position of the graphical elements.

DEMO

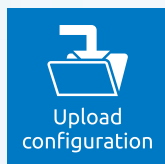
If you want to get a demo configuration to upload quickly on the application, you can click on [DEMO](#).

On the section *Visualization* a preview is generated: this will show the final position of the tiles, once the configuration is uploaded. It's nevertheless possible to change, add or delete any tile, or drag and drop any element at your convenience.

DOWNLOAD

Click on [DOWNLOAD](#) to download the configuration file.

Upload configuration



On the application TP200 MQTT Viewer click on **Upload configuration** and select the downloaded file.

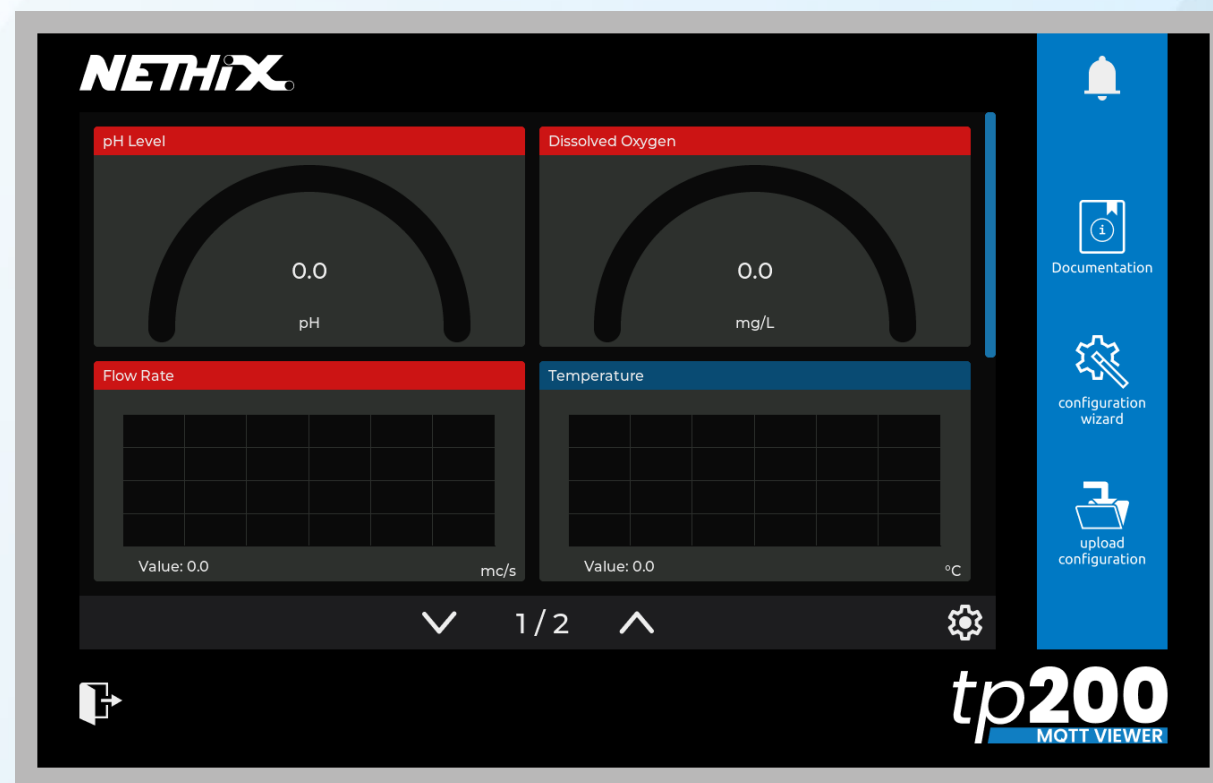


If the configuration covers more than one page, it's possible to browse between the pages by clicking on the **arrows**.

The **Auto-scroll** function is also available and can be activated in order to have an automatic change from one page to another at a pre-configured frequency.



At this stage it's necessary to define the broker, that the application shall connect to. Click on the icon **Settings** and then select the option MQTT.



Broker configuration



Enter the data of your broker, scrolling among the various parameters using the **arrows** and then confirm at the end of the whole process.

If the option TLS has been enabled, the tab MQTT becomes usable and allows to upload your own certificates, in order to establish a secure connection to the broker.

NOTE: In order to make a quick test it's possible to connect to a public broker, as for instance test.mosquitto.org, entering the following parameters:

Broker : test.mosquitto.org
Client ID, Username and Password : keep empty
Port : 1883
Keepalive : 5
QoS : 0
TLS : OFF

The screenshot displays the NETHIX tp200 MQTT VIEWER interface. The main screen is titled "MQTT settings" and has two tabs: "GENERAL" and "MQTTS". The "MQTTS" tab is currently selected. It contains three input fields: "Broker" with the value "test-broker.com", "Client ID" with the value "tp200_42", and "Username" with the value "my_user". A confirmation button with a downward arrow is located to the right of the "Username" field. On the right side of the interface, there is a vertical blue sidebar with four icons: a bell, a document (labeled "Documentation"), a gear (labeled "configuration wizard"), and a folder (labeled "upload configuration"). At the bottom right, the "tp200 MQTT VIEWER" logo is visible. A small icon of a document with an arrow is at the bottom left of the main screen.

Subscribe/publish

Once entered the parameters of your own broker, return to the Home page of the App. From now it's possible to act on the topics (i.e. on those defined as publish and *subscribe/publish* during the configuration), just clicking on the relevant tile.

OK

It's given the possibility to enter the new set-value using the numeric keypad. Clicking on **Ok**, the application will try to forward the new value to the broker.

All the topics, defined as *subscribe* and *subscribe/publish* during the configuration, will receive the upgrades from the broker at every changing, and the new value will be automatically displayed on the relevant tile.



Graph



Choosing a tile and clicking on the icon **graph**, it's possible to enter the full screen graph, where the real-time trend of the value of the topic is displayed.

