

Thinknx Portal

- [Introduction](#)
- [Create an account](#)
- [Linking a Thinknx server to the Portal account](#)
- [Servers](#)
- [Dashboard](#)
 - [Add Chart](#)
 - [Add Binary Widget](#)
 - [Add Data Table](#)
 - [Add Value](#)
- 6. [Account Settings](#)

Introduction

Thinknx Portal is a tool provided by Thinknx Cloud dedicated to system integrators as well as end-users. Its main goal is to monitor and control single installations as well multiple ones such as multi-branch retail stores or companies, clusters of villas or chain hotels. It allows all the installed servers to be virtually connected regardless of their physical location, and controlled from a centralized user interface.

In addition to the servers page, where users can view the status of the connected devices and all their related information, they also have access to a customizable dashboard that groups data into charts and tables which can be filtered according to the desired time frame. Additionally, individual values can be monitored and modified should the need arise.

To access the portal, go to <http://data.thinknx.eu/portal>. If you are already a user, log in using your known credentials. Otherwise, click on "Create an account" to create your account.

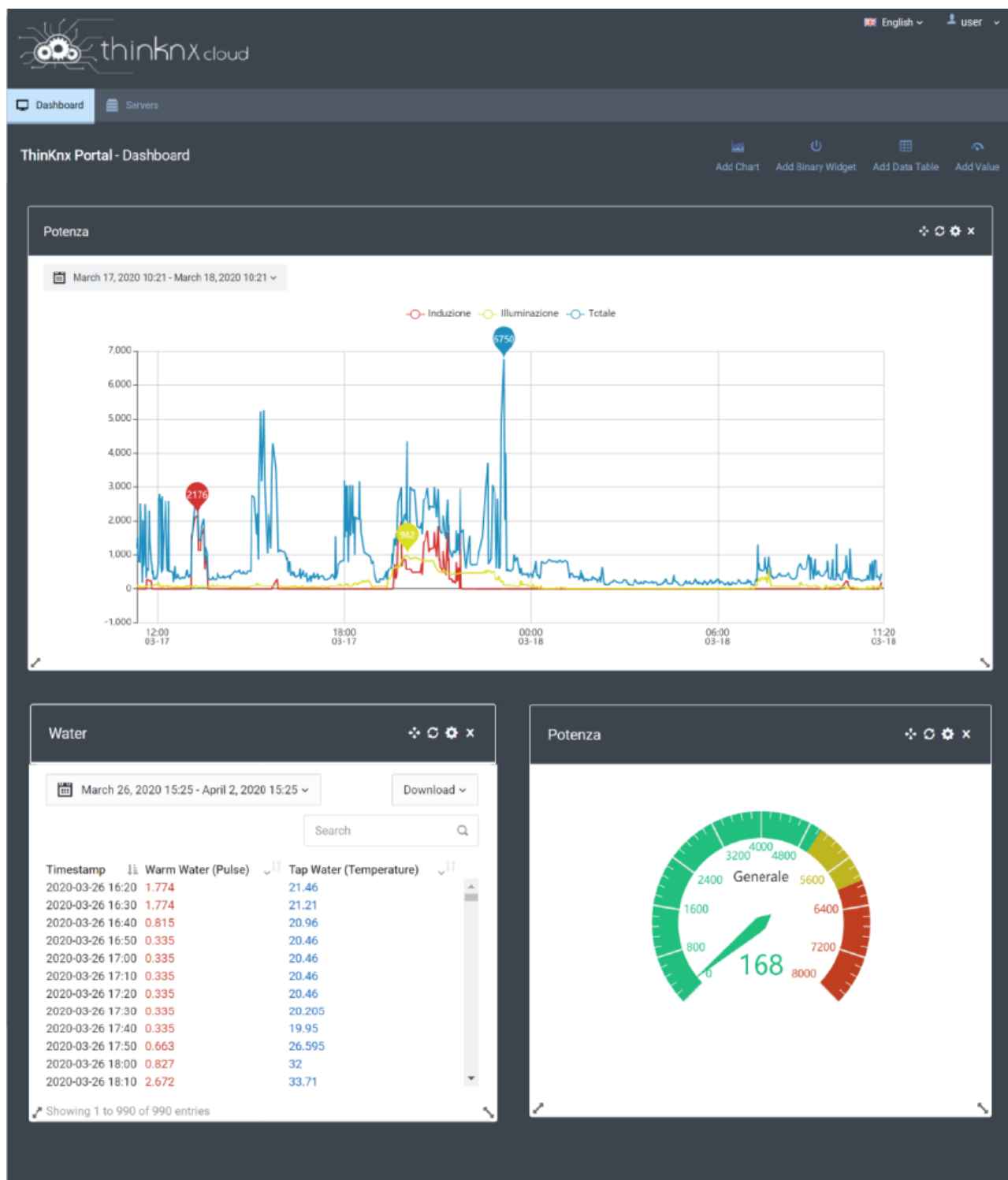


Figure 1: Thinknx Portal

Create an account

Clicking on "create an account" will redirect the user to a new page to register. The user must enter all the required information, and can subscribe to Thinknx Newsletter by selecting the desired topic. It is also possible to select the type of user between "Final User" or "System Integrator". Once the data are sent, a confirmation email will be received by the user to verify the process.

The screenshot shows the 'New user' registration page of the Thinknx Portal. The page has a dark blue header with a 'Back to login' button on the left and the title 'New user' in the center. Below the header, the form is divided into two main sections: 'PERSONAL INFORMATION' and 'SUBSCRIPTION SETTINGS'.

PERSONAL INFORMATION

- Name***: A text input field with the placeholder 'Insert your name and surname'.
- Email***: A text input field with the placeholder 'Insert your e-mail'.
- Confirm Email***: A text input field with the placeholder 'Confirm your e-mail'.
- Password***: A password input field with a strength indicator showing 'Strong' in a green box.
- Confirm password***: A text input field with the placeholder 'Confirm the password'.
- Country***: A text input field with the placeholder 'Country'.

SECURITY CHECK

Copy the digits from the image into this box

A security check image shows the digits 6, 6, 3, 4, 3. Below it is a 'Captcha' input field.

SUBSCRIPTION SETTINGS

Choose which news categories you would like to receive from Thinknx

- ☒ New product & feature releases
- ☒ Important updates
- ☒ Promotional events

User type

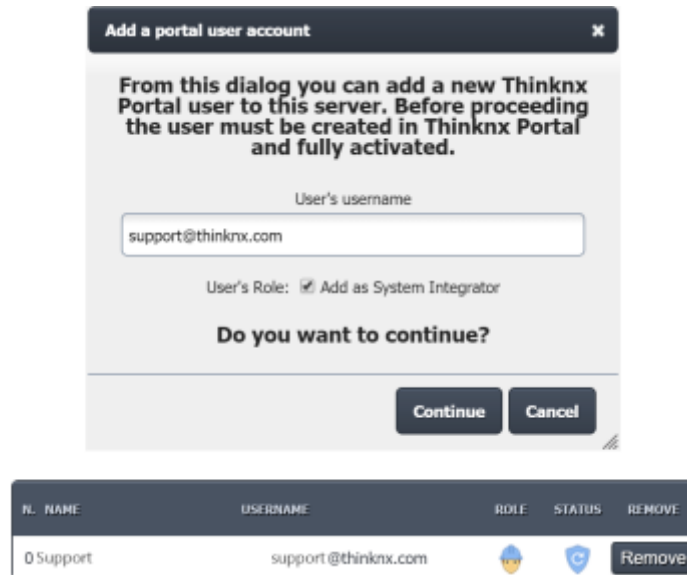
- ☒ Final user
- ☐ System integrator

At the bottom of the form, there are two buttons: 'Back to login' and 'Send data'.

Figure 2: Thinknx Portal

Linking a Thinknx server to the Portal account

To view and monitor a server from the Portal, one additional step is required by the administrator of the site. From the server's web page, go to Server -> Thinknx Cloud. Scroll down to the bottom of the page to reach the "Thinknx Portal users" section. Click on "associate a user" and enter the user's email address and role. Once added, the user will show up in the table, with a "Pending confirmation" status. To activate it, the user will have to accept this connection when signing in on the portal.



The top part of the image shows a dialog box titled "Add a portal user account". It contains the following text: "From this dialog you can add a new Thinknx Portal user to this server. Before proceeding the user must be created in Thinknx Portal and fully activated." Below this is a text input field for "User's username" with the value "support@thinknx.com". Underneath is a section for "User's Role:" with a checked checkbox for "Add as System Integrator". At the bottom of the dialog is the question "Do you want to continue?" with "Continue" and "Cancel" buttons.

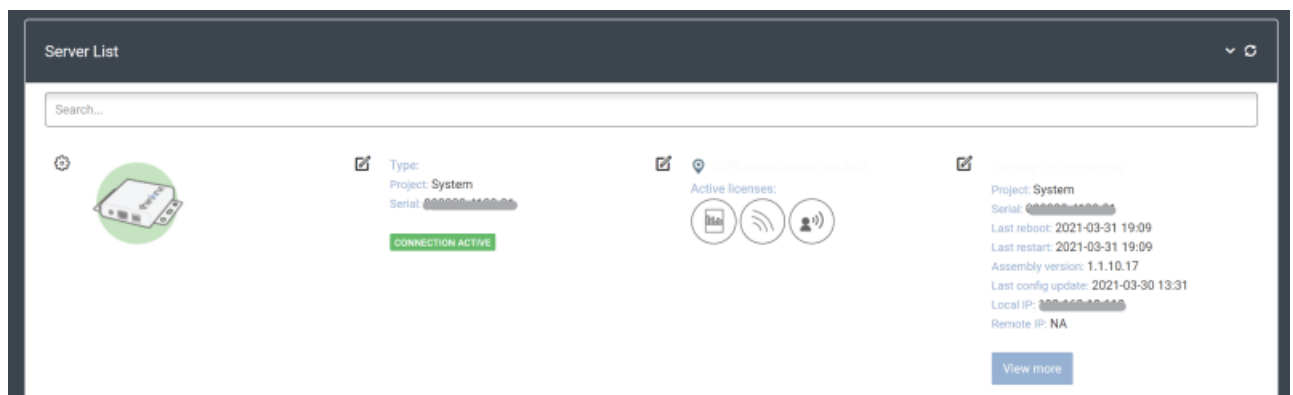
The bottom part of the image shows a table with the following data:

N.	NAME	USERNAME	ROLE	STATUS	REMOVE
0	Support	support@thinknx.com			Remove

Figure 3: Linking a user to the Portal

Servers

When accessing the Servers page from the Portal, a list of all the connected servers will be available for the user. For each server, the user will be able to view the server's name, serial number, location if available, and all the activated licenses. Some parameters can also be edited such as the name and the coordinates.



The screenshot shows the "Server List" interface. At the top is a search bar. Below it, a server card is displayed for a device named "System". The card includes a settings icon, a server image, and a "CONNECTION ACTIVE" status. To the right of the image, it lists "Type: System" and "Serial: [redacted]". Further right, it shows "Active licenses:" with three icons. On the far right, a "Server information" section lists: "Project: System", "Serial: [redacted]", "Last reboot: 2021-03-31 19:09", "Last restart: 2021-03-31 19:09", "Assembly version: 1.1.10.17", "Last config update: 2021-03-30 13:31", "Local IP: [redacted]", and "Remote IP: NA". A "View more" button is at the bottom right of the card.

Figure 4: Thinknx Servers

Clicking on the settings icon on the top left side of the server's image will allow the user to send the below commands:

- server soft reboot
- server hard reboot
- check for firmware update on the server

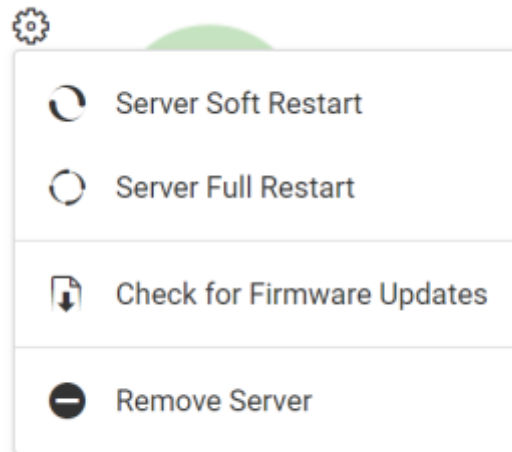



Figure 5: Server Commands


For more information regarding the server, click on the button “View More” to the right. A popup will open allowing the user to view all the available information on the server, as well as a table showing the KNX variables configured on the server and their actual status.


Server Information ×

Project: **System**
Serial:
Last reboot: **2021-03-31 19:09**
Last restart: **2021-03-31 19:09**
Assembly version: **1.1.10.17**
Last config update: **2021-03-30 13:31**
Local IP:
Remote IP: **NA**
Connected clients: **3**

Active licenses:

 **Reports**

 **IR Trans**

 **Voice Control**

KNX Variables:

ID	Name	Value
70981199bc3986f1	ALL AC Setpoint	22.4
de879581395abe44	KITCHEN	22
ad8fd686188cbe44	RECEPTION	22

Figure 6: Server Information

Under the servers list, a world map is available to view the location of all the servers, in case their coordinates have been configured correctly from the project or the Portal.



Figure 7: Server Location

Dashboard

Once the Portal user has been linked to one or more servers, it is now possible to configure some widgets on the Dashboard. The available widgets are:

- [Charts](#)
- [Binary Widget](#)
- [Data Tables](#)
- [Values](#)

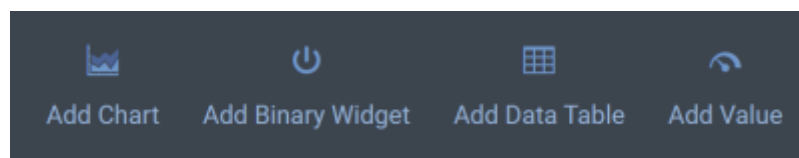


Figure 8: Portal Widgets

Add Chart

The below parameters are available to configure when adding a chart:

- **Title** name of the chart
- **Typology** type of chart. It is possible to choose between Line Chart, Bar Chart, or Pie Chart.
- **Initial time frame** to start drawing the chart.
- **Show Legend** enable/disable.
- **Show Points** *only visible if Line Chart is selected as Typology* allows to hover the mouse on multiple points on the chart to indicate the exact date and value.
- **Use Color Gradient** *only visible if Line Chart is selected as Typology* allows to show the chart as a line with a gradient color filling the area.

Add Chart

Title

Title

Typology

Line Chart

Initial time frame

Last 24 hours

☐ Show legend

☐ Show points

☐ Use color gradient

Add DB Variable

Add Virtual Variable

Close

Add Widget

Figure 9: Portal Add Chart

Once the general parameters have been configured, the user can start adding the chart variables. Two options are available:

- **Add DB Variable** allows the user to show a value from the database configured inside the Configurator.
 - **Variable name** name of the DB variable.
 - **Unit of Measure** to show on the chart.
 - **Select server** allows to choose the server where the desired variable is saved.
 - **Select variable** allows to select the desired DB Variable related to the selected server.
 - **Select color** color of the DB variable selected.

Add DB Variable

Add Virtual Variable

Variable Name

Variable Name

Unit of Measure

Unit of Measure

Select Server

00

Select Variable

AC PH3 KWH

Select Color

Close

Add Widget

Figure 10: Chart DB Variable

Multiple variables can be added to the same chart.

- **Virtual Variable:**

- **Operation** allows the user to choose between Sum or Mean of two consecutive values.
- **Timespan** allows to choose between hourly, daily, weekly or monthly.
- **Variable name** name of the DB variable.
- **Unit of Measure** to show on the chart.
- **Select server** allows to choose the server where the desired variable is saved.
- **Select variable** allows to select the desired DB Variable related to the selected server.
- **Select color** color of the DB variable selected.

Figure 11: Chart Virtual DB Variable

Add Binary Widget

This widget is specifically made for binary values to be displayed as a step chart. The binary values must be saved in a Cloud database. Multiple values can be added on the same widget. When adding a binary widget, the below parameters are available:

- **Title** name of the chart
- **Initial time frame** to start drawing the chart.
- **Show Legend** enable/disable.
- **Show Points** allows to hover the mouse on multiple points on the chart to indicate the exact date and value.

After clicking on “Add DB Variable”, the below parameters are available:

- **Variable name** name of the DB variable.
- **Bit 0 Label** label for when the value received is 0.
- **Bit 1 Label** label for when the value received is 1.
- **Select server** allows to choose the server where the desired variable is saved.
- **Select variable** allows to select the desired DB Variable related to the selected server.
- **Select color** color of the DB variable selected.

The screenshot shows the 'Add Binary Widget' dialog box. It has a title bar with a close button. The main area contains the following fields and options:

- Title:** A text input field with the placeholder 'Title'.
- Initial time frame:** A dropdown menu currently set to 'Last 24 hours'.
- Show legend:** A checkbox that is currently unchecked.
- Show points:** A checkbox that is currently unchecked.
- Add DB Variable:** A section with a sub-header icon (three stacked squares) and the following fields:
 - Variable Name:** A text input field with the placeholder 'Variable Name'.
 - Bit 0 Label:** A text input field with the placeholder 'Bit 0 Label'.
 - Bit 1 Label:** A text input field with the placeholder 'Bit 1 Label'.
 - Select Server:** A dropdown menu with a server icon on the left and a dropdown arrow on the right.
 - Select Variable:** A dropdown menu with a puzzle piece icon on the left and 'Burner Status' selected in the dropdown.
 - Select Color:** A color selection area with a red color swatch and a dropdown arrow.

At the bottom right of the dialog are two buttons: 'Close' and 'Save Widget'.

Figure 12: Add Binary Widget

Add Data Table

This widget allows to create a table of different DB variables listed by time. The available parameters are:

- **Title** name of the table.
- **Initial time frame** to start drawing the table.

After clicking on “Add DB Variable”, the available parameters are:

- **Variable Name** name of the DB Variable.

- **Unit of Measure**
- **Select server** allows to choose the server where the desired variable is saved.
- **Select variable** allows to select the desired DB Variable related to the selected server.
- **Select color** color of the DB variable selected.

Add Data Table [X]

Title
Temperatures

Initial time frame
Last 24 hours

Add DB Variable

Variable Name	Unit of Measure
Balcony Temperature	°C

Select Server	Select Variable	Select Color
[Server Icon] [Dropdown]	[Puzzle Piece Icon] BALCONY TEMP [Dropdown]	[Yellow Color Swatch]

Variable Name	Unit of Measure
Outdoor Temperature	°C

Select Server	Select Variable	Select Color
[Server Icon] [Dropdown]	[Puzzle Piece Icon] OUTDOOR TEMP [Dropdown]	[Green Color Swatch]

Close Save Data Table

Figure 13: Add Table

Add Value

The Value widget is used to read the value from a DB variable or KNX variable. It can be visualized as numeric value or as gauge. Custom color ranges can be configured according to the value received. The available parameters for this widget are:

- **Title** name of the Value

- **Typology** can be “numeric” or “gauge”.
- **Add Custom Color Level** to configure the color depending on the value range. For each range, the available parameters are:
 - **From** start of value range.
 - **To** end of value range.
 - **Color** defines the color for this range.
- 4. **Editable value** allows the sending of data to the value. Can be enabled/disabled.
- 5. **Add DB Variable**
 - * **Variable Name** name of the DB Variable.
 - **Unit of Measure**
 - **Select server** allows to choose the server where the desired variable is saved.
 - **Select variable** allows to select the desired DB Variable related to the selected server.
- 6. **Add KNX Variable**
- 7. * **Variable Name** name of the DB Variable.
- 8. **Unit of Measure**
- 9. **Select server** allows to choose the server where the desired variable is saved.
- 10. **Select variable** allows to select the desired DB Variable related to the selected server.

Add Value

Title

Water Level

Typology

2 Numeric

Add Custom Color Level

From

0

To

33

Color

From

34

To

66

Color

From

67

To

100

Color

☐ Editable value

Add DB Variable

Add KNX Variable

Variable Name

Water Level

Unit of Measure

%

Select Server

Select Variable

T1

Close

Edit Value

Figure 14: Add Value

Account Settings

Logged-in users are able to edit their personal information by clicking on their name at the top right corner and accessing the Account Settings page. They can also subscribe to other categories in the newsletter, change their user type, as well as their password. the last section of the page is dedicated to all the servers linked to the portal user. They can be rejected or accepted in case they were pending confirmation.

Learning Thinknx - <https://www.thinknx.com/wiki/>

Account

Dashboard

PERSONAL INFORMATION

Email

@thinknx.com

Name

Thinknx User

Country

Italy

Update Information

SUBSCRIPTION SETTINGS

Choose which news categories you would like to receive from Thinknx

☒ New product & feature releases

☒ Important updates

☒ Promotional events

User type

☐ Final user

☒ System integrator

Figure 15: Edit Information

CHANGE PASSWORD

Old Password*

Old Password

New Password*

New Password

No password

Retype Password*

Retype Password

Change Password

Figure 16: Change Password

MANAGE SERVERS

Serial	Status	Action
00	Accepted	Reject
	Accepted	Reject
00	Accepted	Reject
00	Accepted	Reject
Accept All		Reject All

Figure 17: View Linked Servers

From:

<https://www.thinknx.com/wiki/> - **Learning Thinknx**

Permanent link:

<https://www.thinknx.com/wiki/doku.php?id=portal>

Last update: **2021/04/11 10:38**

