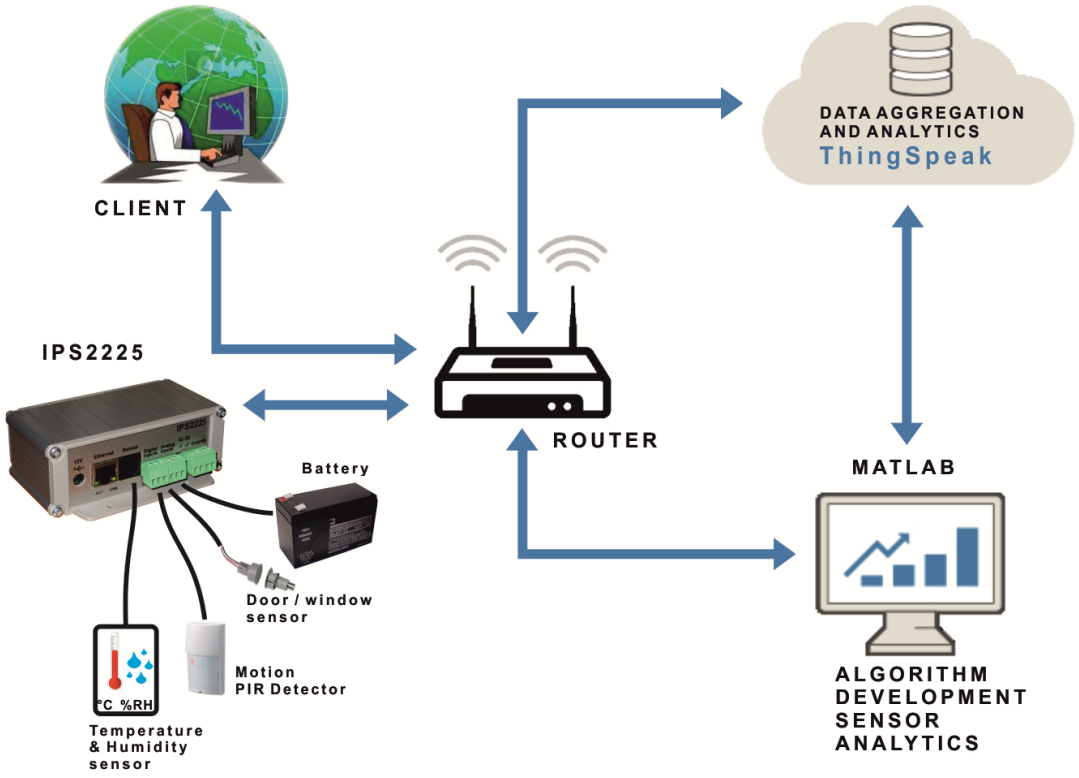
How to Post data from IPS2225 to ThingSpeak cloud

Learn More About ThingSpeak

ThingSpeak enable controller IPS2225 to send data to the cloud where it is stored in either a private or a public channel. ThingSpeak allows to aggregate, analyze live data streams in the cloud and visualize as charts.



ThingSpeak Key Features

Some of the key capabilities of ThingSpeak include the ability to:

- Easily configure IPS2225 to send data to ThingSpeak.
- Visualize your sensor data in real-time as charts.
- Use the power of MATLAB to make sense of your IoT data
- Run your IoT analytics automatically based on schedules or events
- Prototype and build IoT systems without setting up servers or developing web software.
- Smartphone client application.

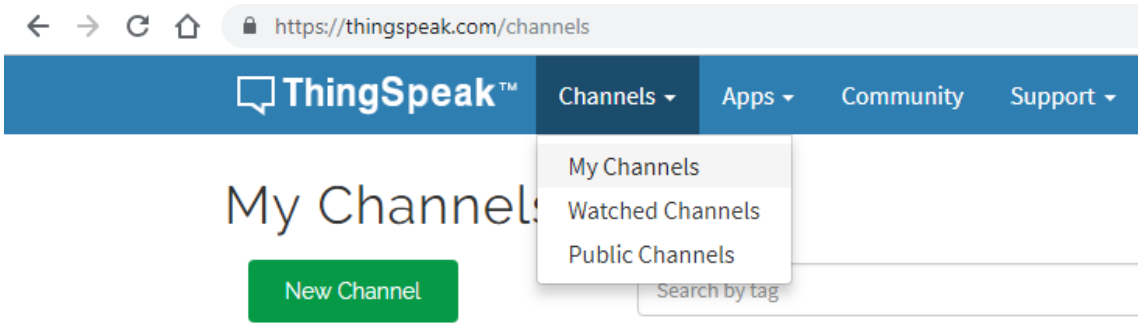
Creating an account in Mathworks

It is free to sign up for ThingSpeak.

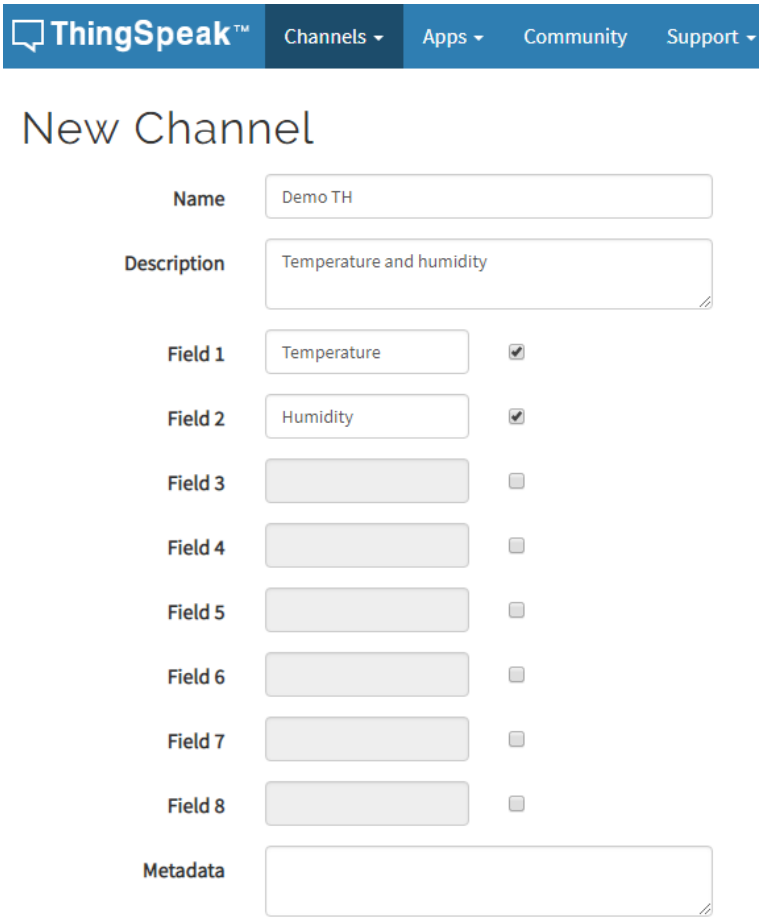
To start using ThingSpeak must create a new MathWorks account. The account requires an email, username, password, country of origin and the names of the user.

Creating a new channel

Select menu Channels -> My channels and click on the button “New Channel”.



The minimum information required is a channel name and the name of the fields to be used.

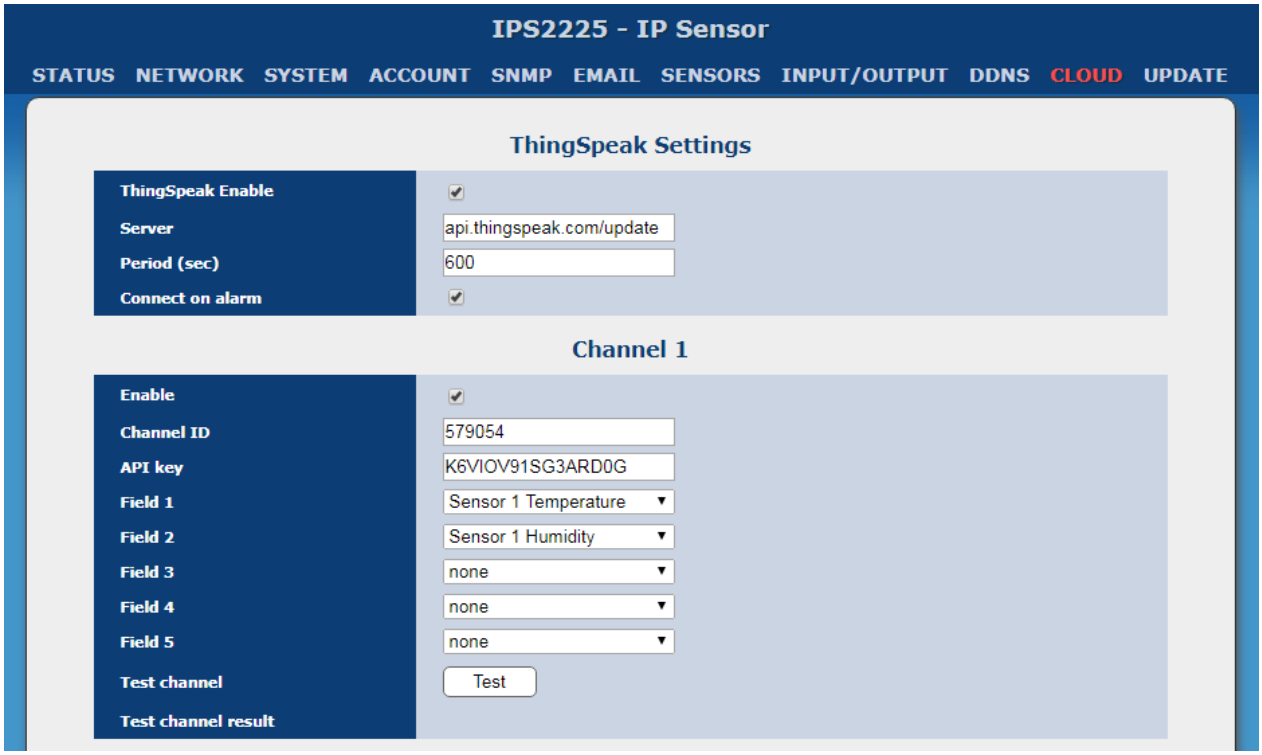


Every created channel has identification number and API keys - Write API key and Read API key.

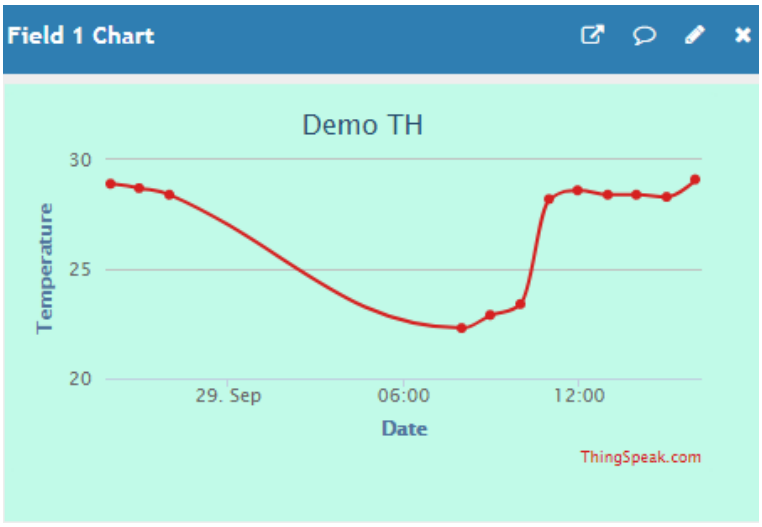
As the controller IPS2225 post data to the cloud it is need to use Write API key.

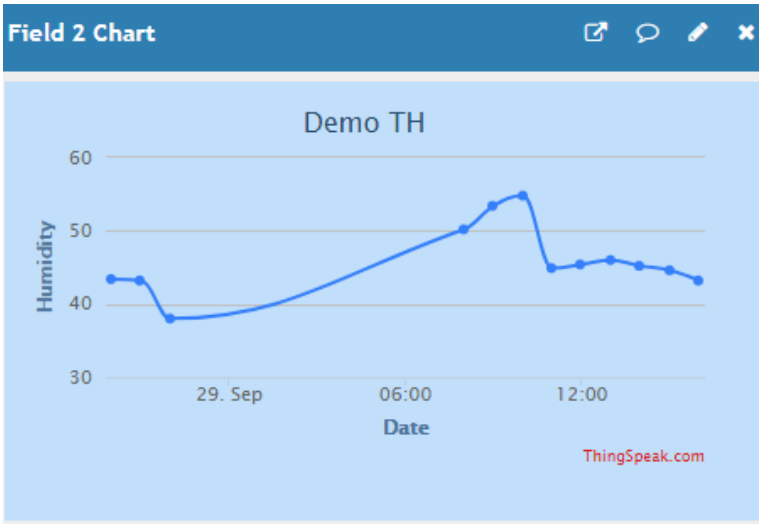
Controller IPS2225 support 2 channels and 5 fields for every channel. Every field can be related with any sensor, analog input, digital input or relay.

Example how to set the controller IPS2225



Visualization example from ThingSpeak website





Visualization example from mobile application ThingView