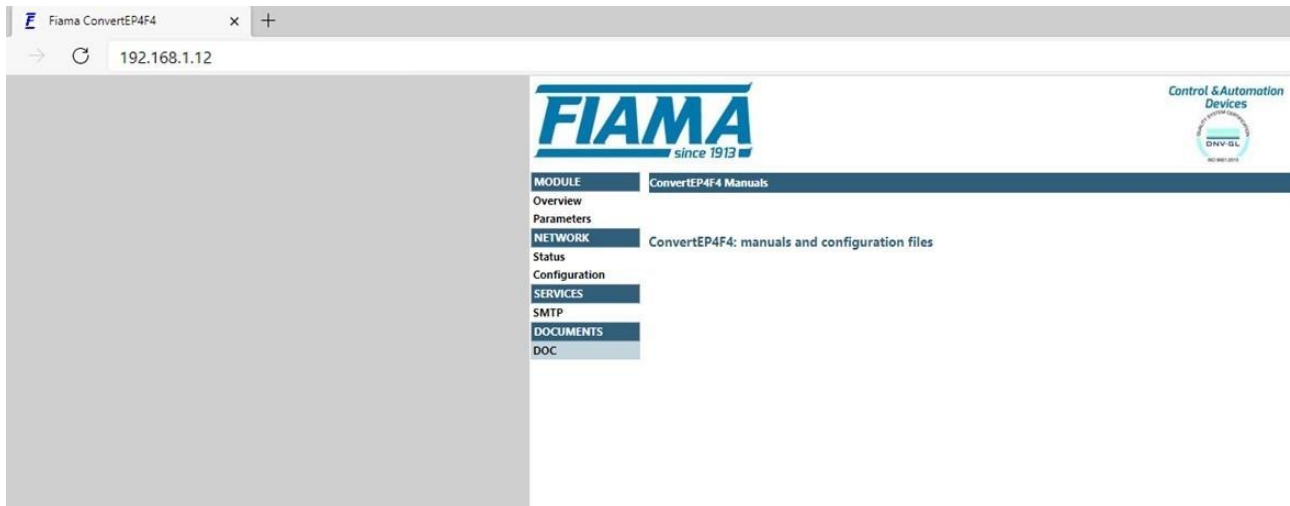


ConvertEp4F4 configuration using TIA Portal (Siemens)

This document specifies how to import the GSDML file and the subsequent configuration of the ConvertEP4F4.

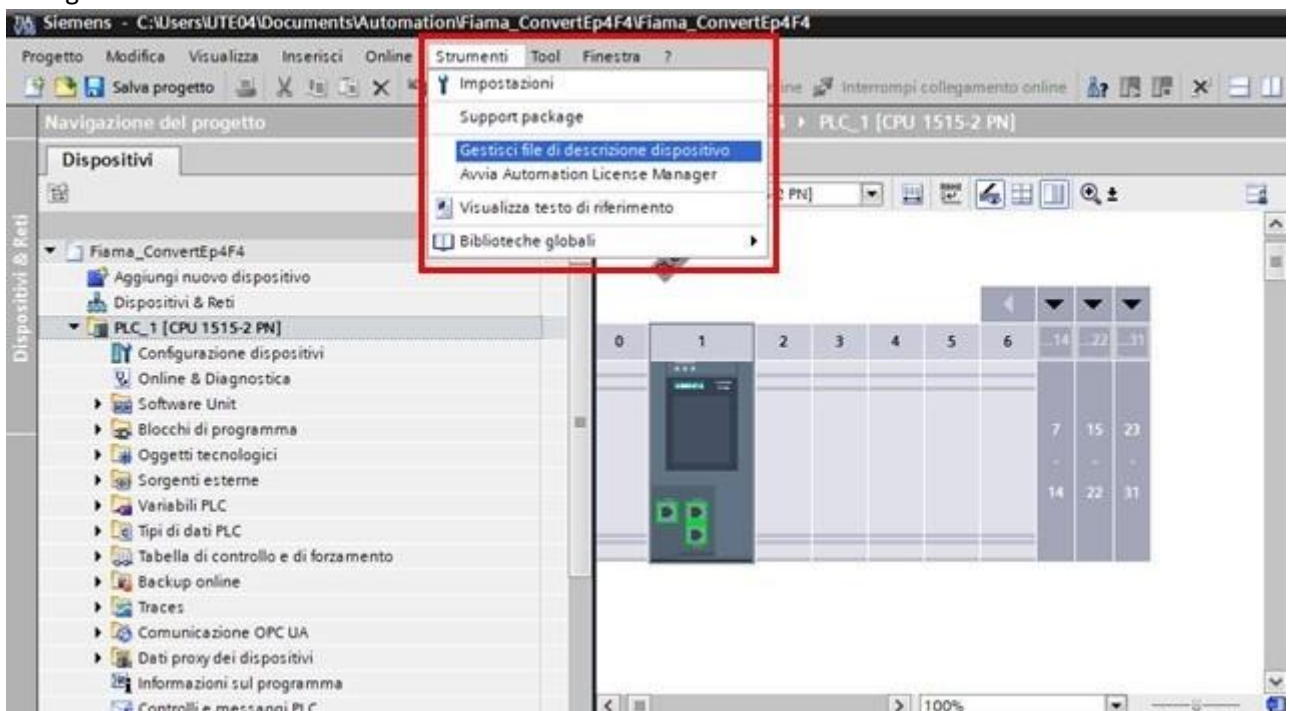
The first step is to download the configuration file directly from the web page of the instrument (to activate the web server it is necessary to assign an IP address to the device – refer to the main manual for this procedure).



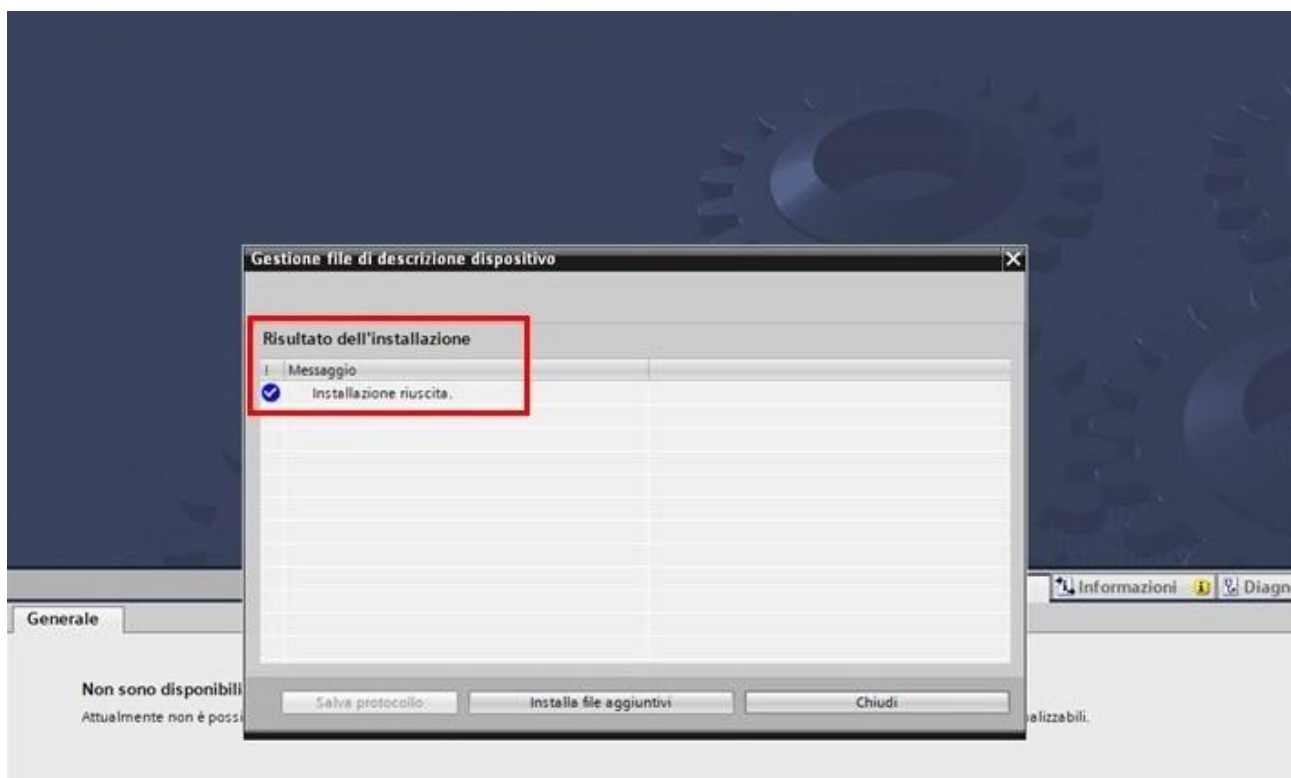
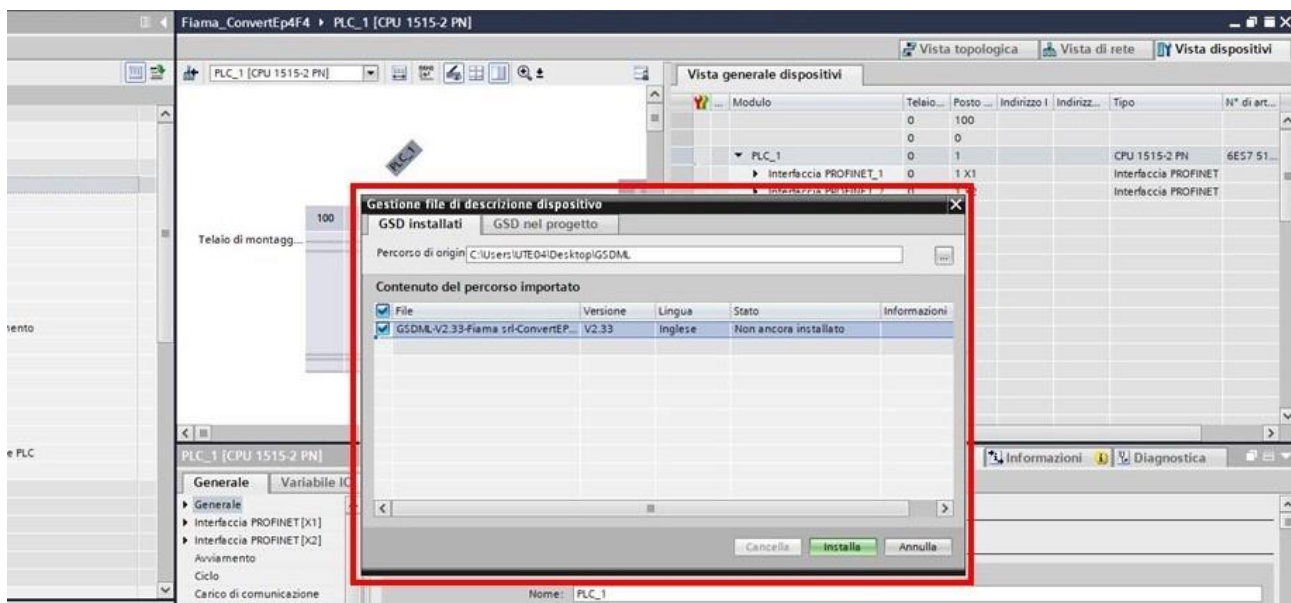
Clicking the link will download a zip file which will contain all the manuals and the GSDML file.

Once extracted, it will be possible to proceed with installation and configuration of the ConvertEP4F4.

Subsequently access the instrument menu from the main project page of the TIA Portal to install the configuration file.



Clicking on “Gestione file di descrizione dispositivo” will allow installation of the GSDML file.



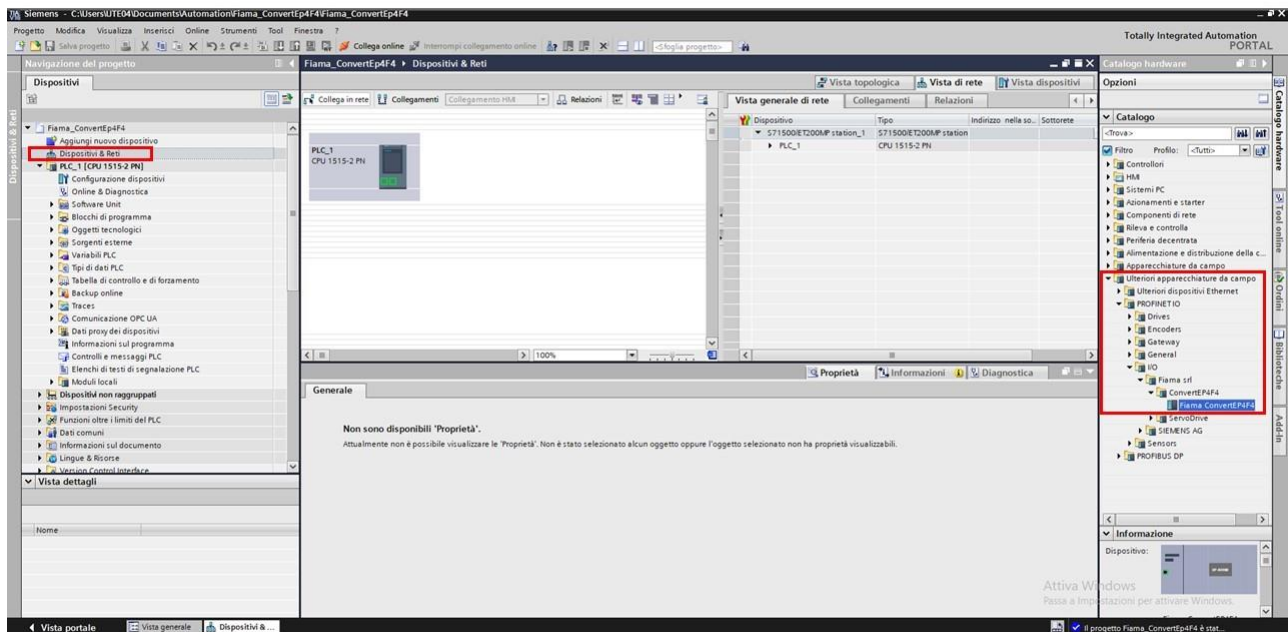
After successful installation, press the “Close” button and after waiting approx. 2 min for the catalogue update, the ConvertEP4F4 device will be available to be added and used within the project.

In the main view, using “Dispositivi e Reti” from the menu on the left, it will be possible to access the catalogue.

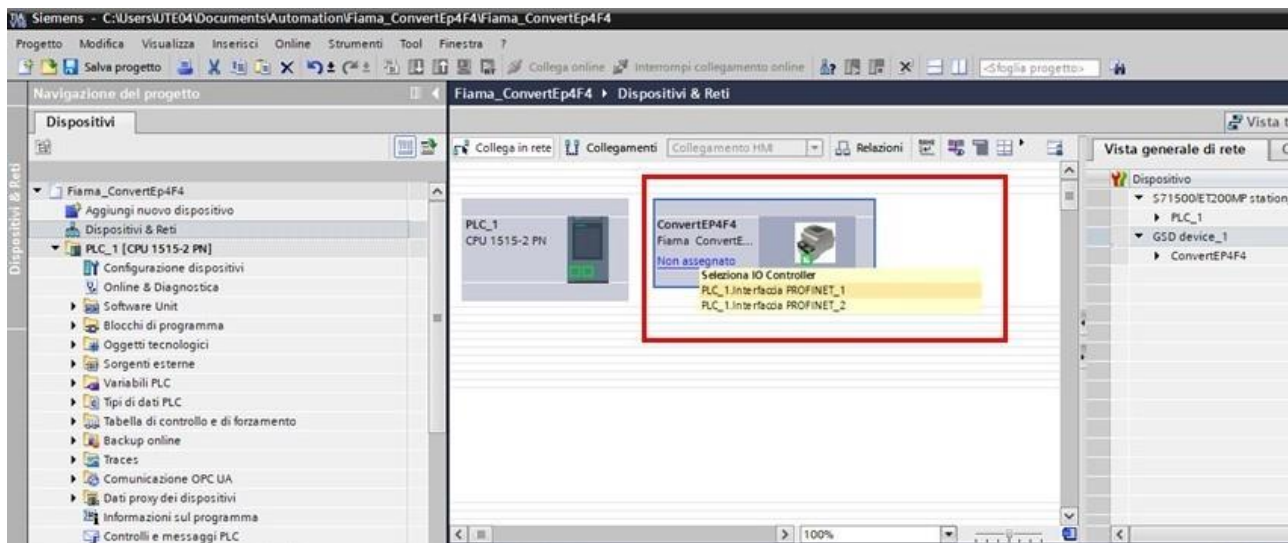
The device will be available at the following path:

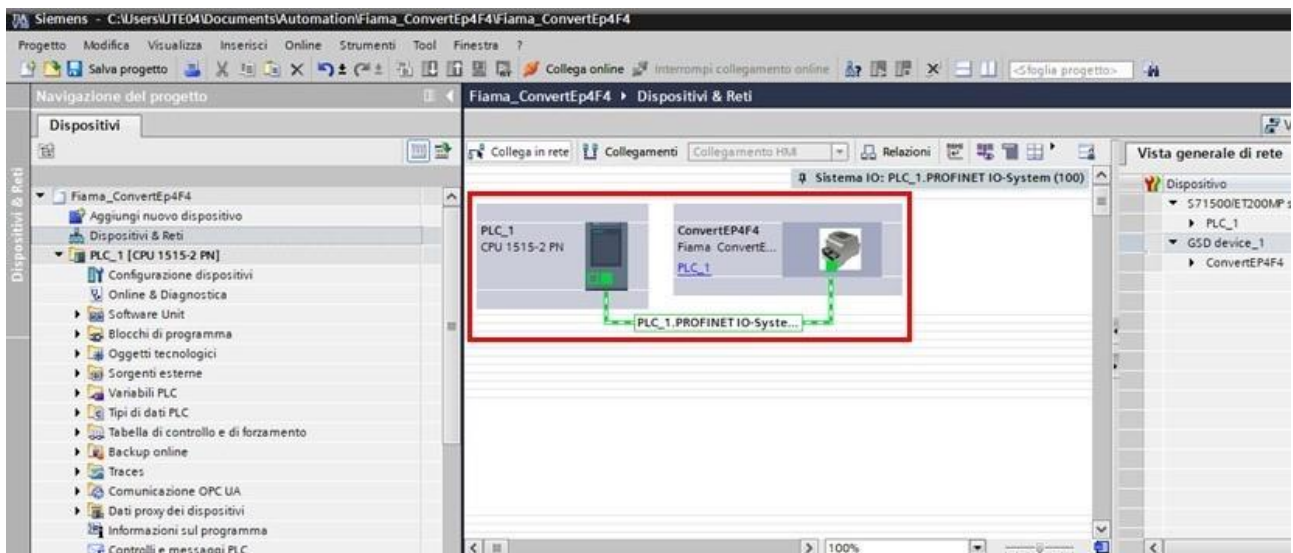
“Ulteriori apparecchiature da campo” -> “PROFINET IO” -> “IO” -> “Fiama srl” -> “ConvertEp4F4”

Click on the device named “FIAMA ConvertEP4F4” to add it to the project.

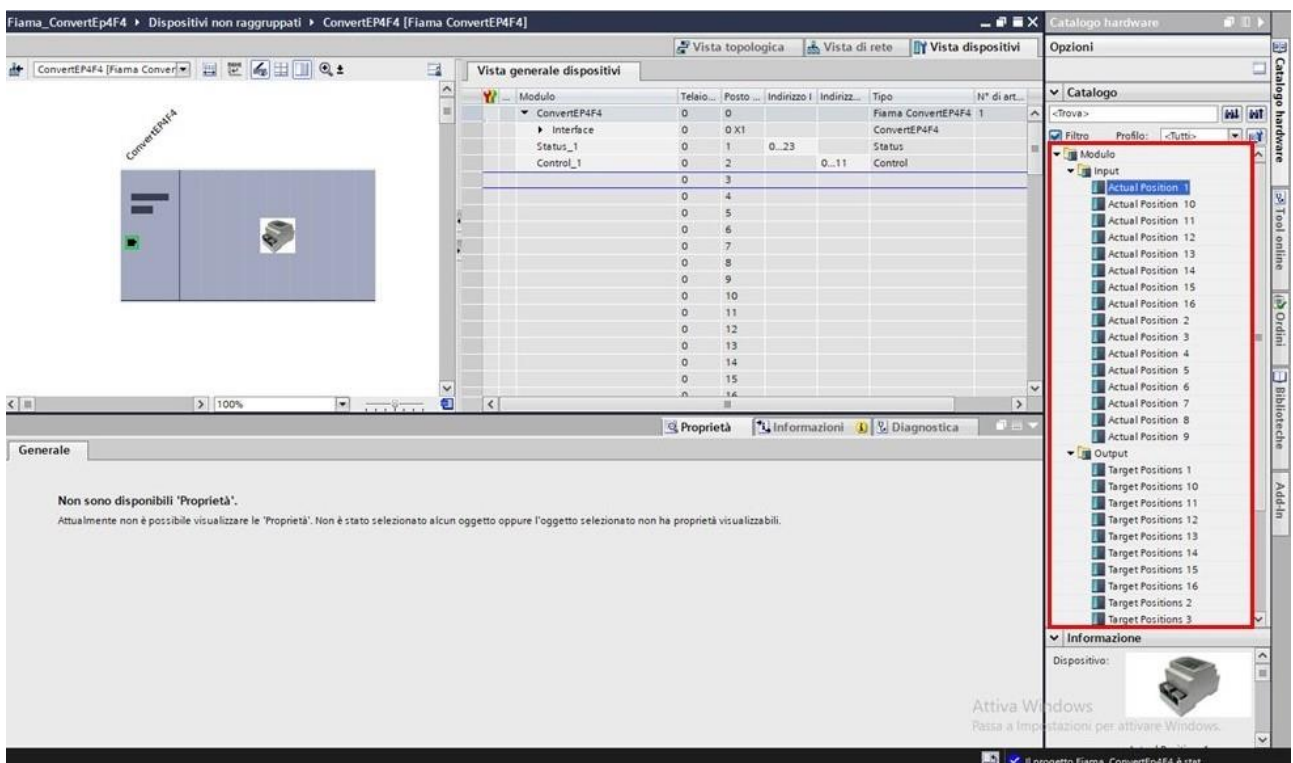


Once the device has been added, it is necessary to configure the I/O; to do this, first of all the device must be connected to the Profinet network by clicking “Non assegnato” ****.

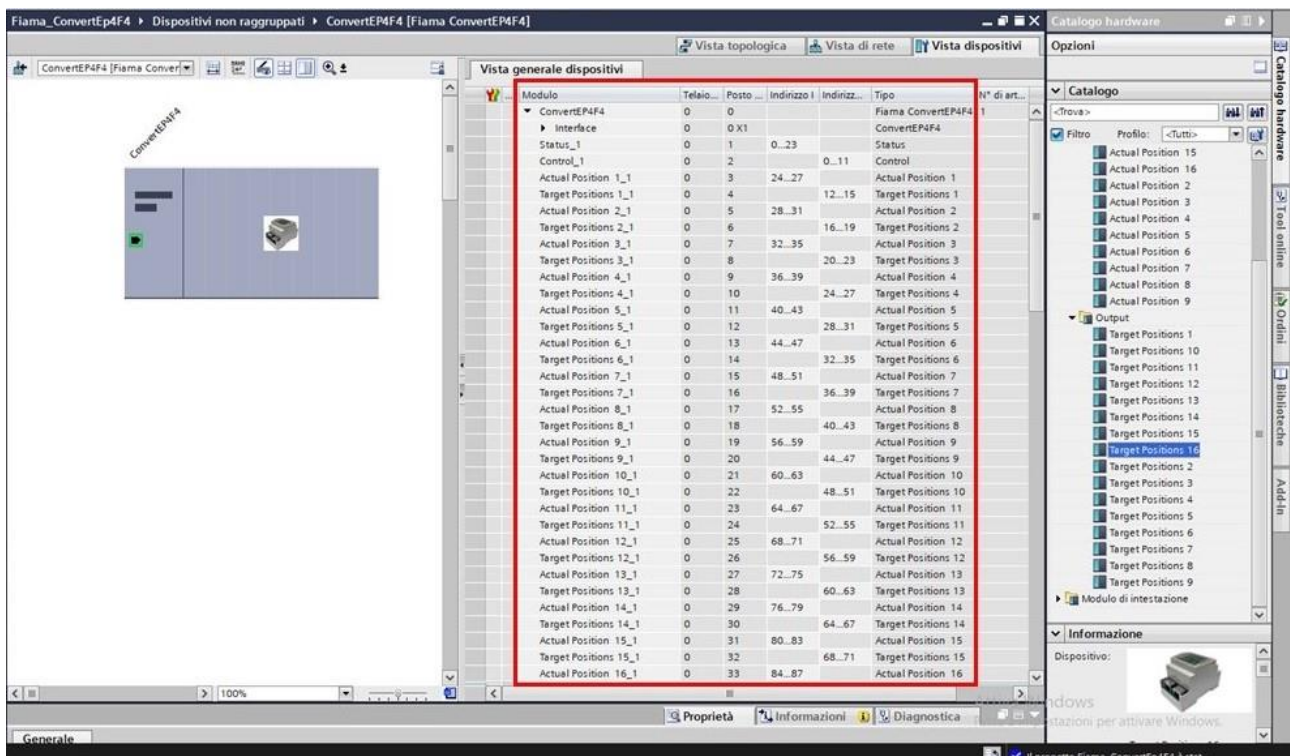




Once connected it is possible to configure the I/O by double clicking on the device.



In the menu available on the right, in the “Modulo” section, it is possible to add the Inputs and Outputs which are necessary by clicking on the various “Actual Position” and “Target Position” values.



It is possible to configure up to 16 “Actual Position” and “Target Position” values since the ConvertEP4F4 is designed to manage up to 16 sensors. Once the I/O have been added, it will be possible to use the device within the TIA Portal.

Note: it is essential to match the device configuration which is done using the web server and the configuration done using TIA Portal. For example, in case the ConvertEP4F4 is configured through the web server to manage 10 devices, then in the PLC project it is necessary to import the first 10 “Actual Position” and “Target Position” values.