



Adding SFP Modules to Step 7/TIA

- [Supported Small Form-Factor Pluggables, on page 1](#)
- [Adding SFPs to the Hardware Configuration in SS7/TIA, on page 2](#)
- [Feature History, on page 5](#)

Supported Small Form-Factor Pluggables

This chapter describes how to add Small Form-Factor Pluggable (SFP) modules to the SIMATIC STEP7 or TIA Portal Automation applications to enable these applications to recognize the SFP modules in the PROFINET environment.

The following SFPs are supported for Catalyst IE3100 IE3200, and IE3300 Rugged Series switches and Heavy-Duty Series switches. The SFP also are supported for the fiber port expansion module. They can be added to the STEP 7 or TIA Portal Automation application installed on the supervisor.

- GLC-T
- GLC-TE
- GLC-T-RGD
- GLC-FE-100FX-RGD
- GLC-FE-100LX-RGD
- GLC-SX-MM-RGD
- GLC-LX-SM-RGD
- GLC-FE-100FX
- GLC-FE-100LX
- GLC-SX-MMD
- GLC-LH-SMD
- GLC-SX-MM
- GLC-LH-SM

The following are the supported SFPs on IE3300 10-Gigabit Ethernet uplinks along with the 1-Gigabit Ethernet SFPs mentioned above. Note that the 10-Gigabit Ethernet SFPs are supported only on the IE3300 models supporting 10-Gigabit Ethernet interfaces.

- SFP-10G-SR
- SFP-10G-LR
- SFP-10G-ER
- SFP-10G-SR-X
- SFP-10G-LR-X
- SFP-10G-BXD-I
- SFP-10G-BXU-I
- SFP-H10GB-CU1M
- SFP-10G-BX40D-I
- SFP-10G-BX40U-I

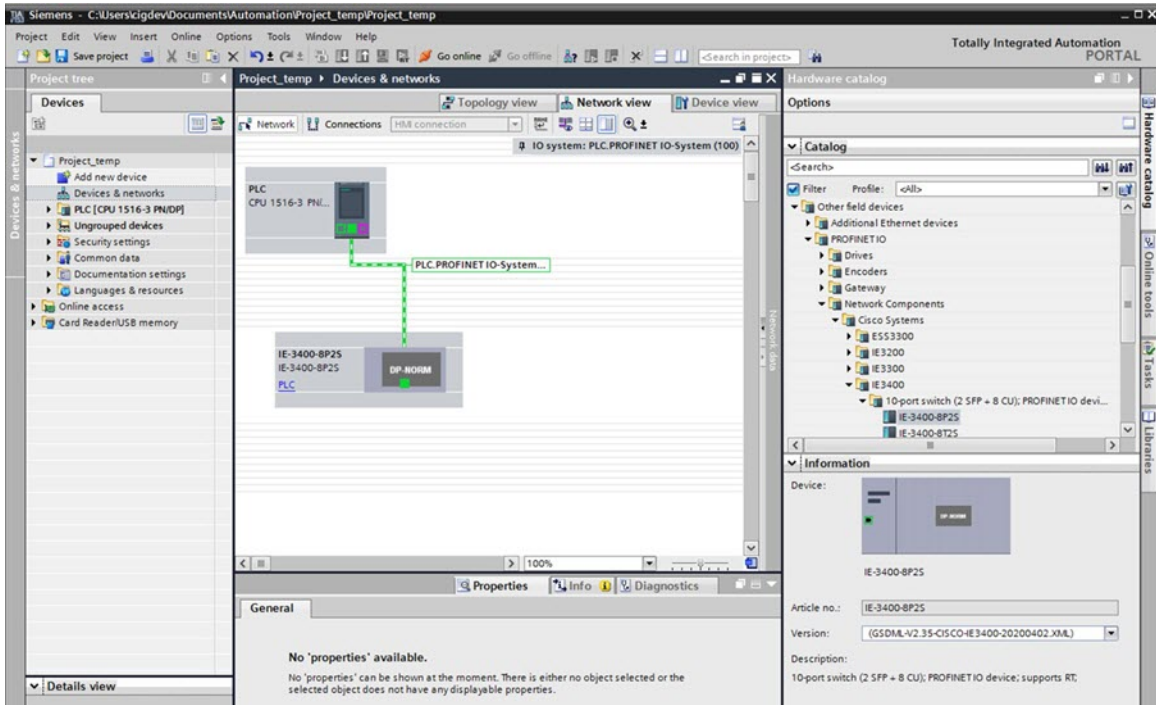
Adding SFPs to the Hardware Configuration in SS7/TIA

Follow this procedure to add SFPs to the hardware configuration in STEP7 or TIA.

Before you begin

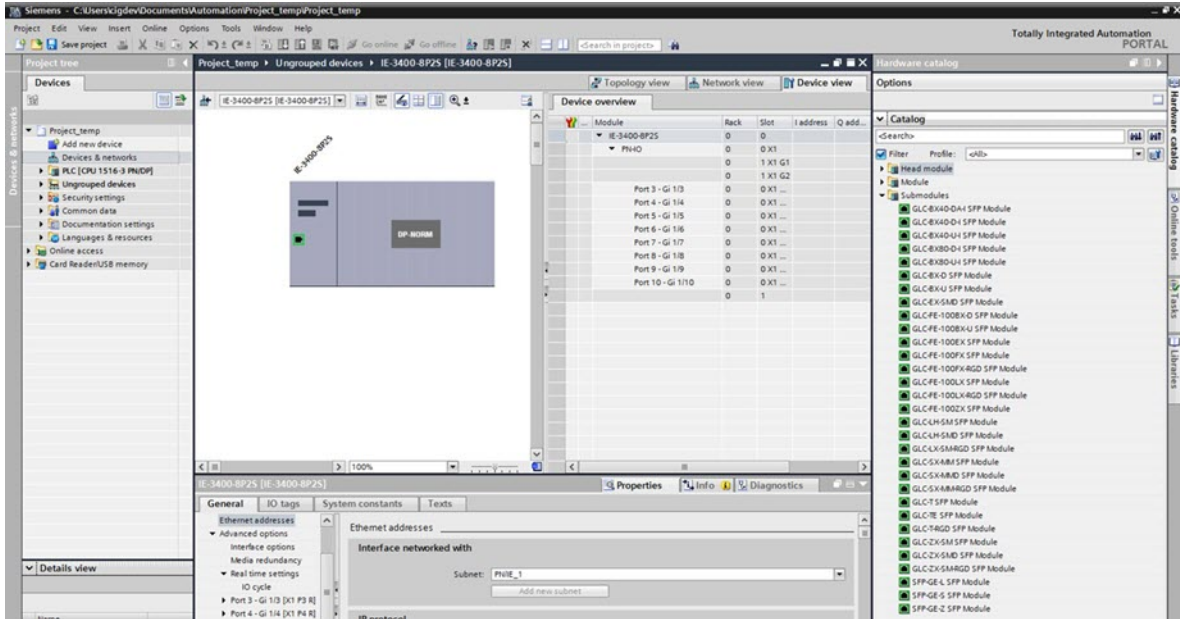
Install the latest GSD file for your IE switches in STEP7 or TIA (see [Configuring the Switch with STEP7/TIA](#) for more information). The GSD file is not backward compatible. Combination ports do not have defaults and must be re-created in STEP7 or TIA with the new GSD file.

-
- Step 1** In STEP7 or TIA, open the project containing the Cisco IE switch, and double-click **Devices & networks** in the **Project tree**.
- Step 2** From the **Hardware catalog** in the hardware and network editor, select the Device Access Point (DAP) name for your switch.



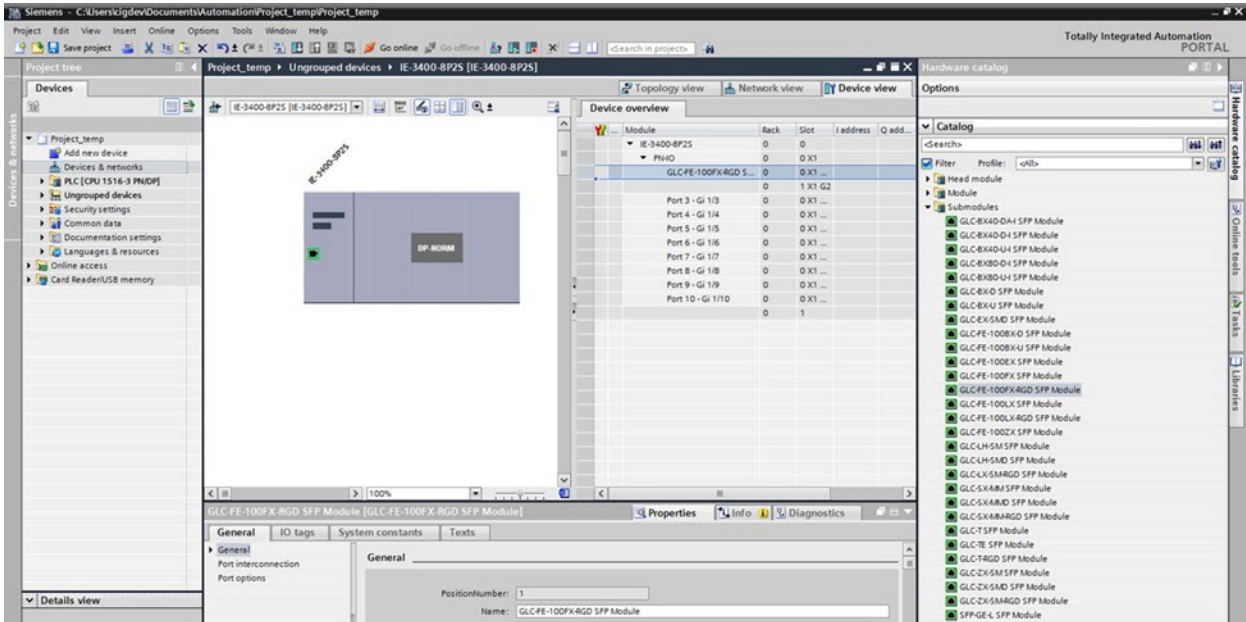
Step 3 Double-click the DAP name to go to **Device view** tab.

Step 4 Expand the PN-IO row in Device overview section if the port list is not displayed.

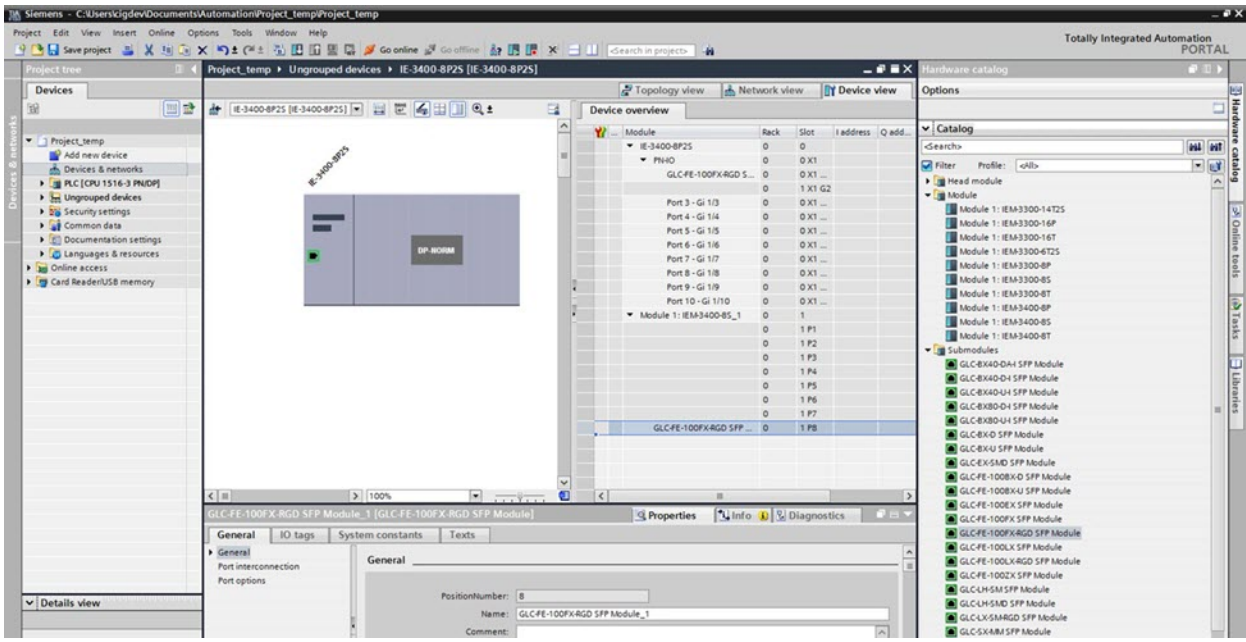


Step 5 Select the modules that you have installed in the switch from the **Hardware catalog** and drag them to the appropriate rows in the table area of **Device view**: Appropriate SFP module for port type (combo port or fiber-only port)

The following figure shows the **Device view** and **Hardware catalog** with SFP modules for IE 3400. There is an uplink module for Gi SFP. SFP GLC-FE-100FX-RGD is dragged to uplink port Gi1/1. The device in TIA is now ready to compile and download.



The following figure shows the **Device view** and **Hardware catalog** with SFP modules for IE3400 with the Fiber expansion module that has downlink SFP port Gi2/1-8, and where SFP GLC-FE-100FX-RGD is dragged to uplink port Gi2/8. The device in TIA is now ready to compile and download.



Feature History

Platform	Feature	First Supported Release
IE3x00	Support new SFPs for PROFINET	17.4.1
IE3x00	SFP support enabled for PROFINET	17.3.1

