










FBI 90E Quick Reference Guide

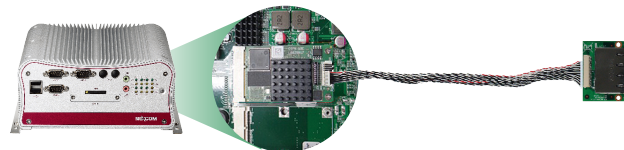
Ver C. (P/N: 60177C0021X00)

Card Assembly

mini-PCIe Form Factor	Connection Cable	Connector Board	Protocol
		 Dual RJ45	PROFINET EtherNet/IP EtherCAT SERCOSIII
		 DB9	PROFIBUS
		 5-pins Connector	DeviceNet
		 DB9	CANOpen

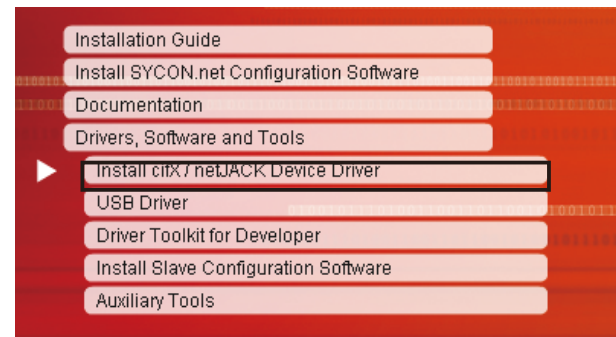
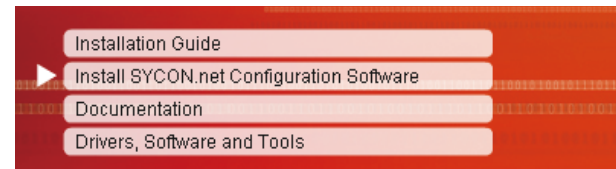
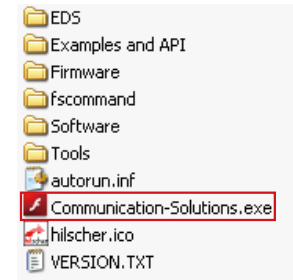
Hardware Installation

- Step1 : Install the FBI module into miniPCIe slot
- Step2 : Connect the Cable and Connector Board
- Step3 : Configure the FBI Card



Install the SYCON.net Software and drivers

Insert the DVD to host PC and install the below options

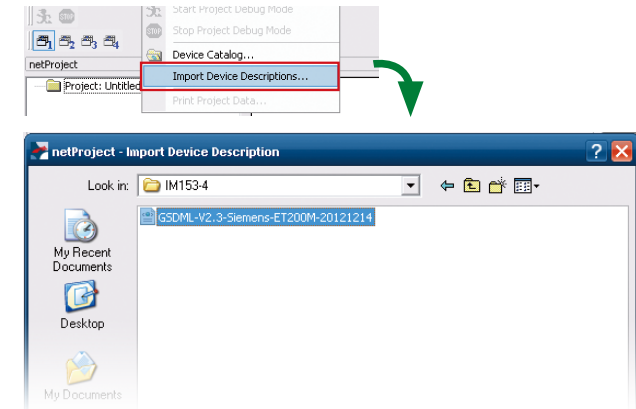


Fieldbus Card Configuration

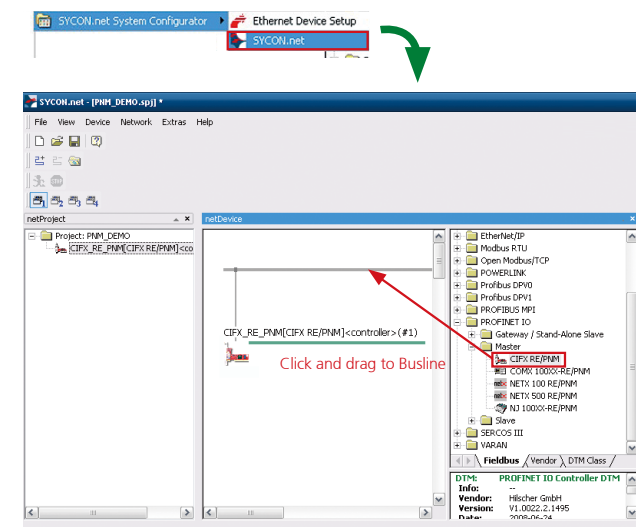
The configuration in this example is based on FBI 90E-PNM and Simens IM153-4 modular

Step 1: Import Device Description file for Fieldbus devices (for example, ESD, GSD, GSDML..., shall be provided by device supplier)

Startup the SYCON.net, go to "Network" then choose "Import Device Description"



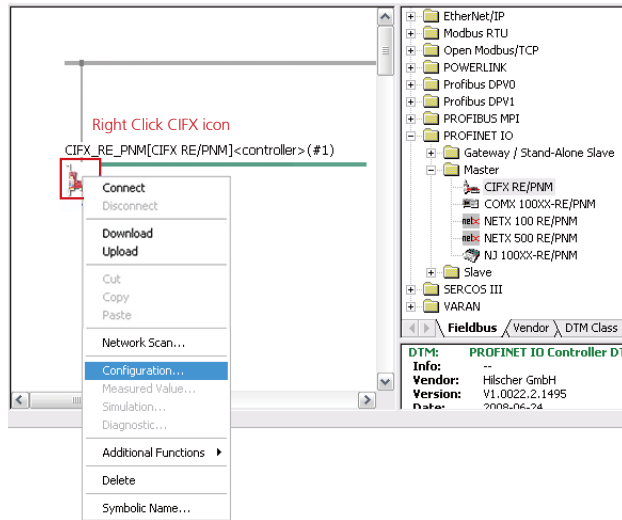
Step 2: Create the Project then drag card type to busline (choose the card type from the "Master" in required protocol)



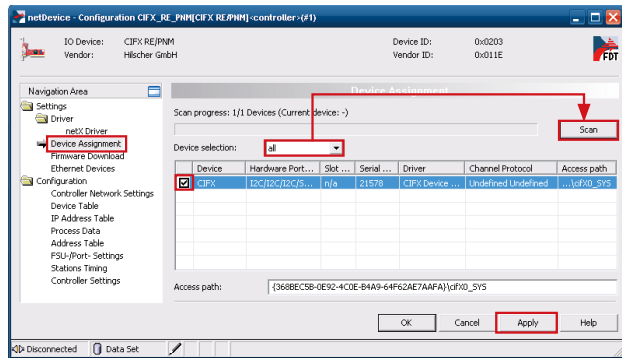
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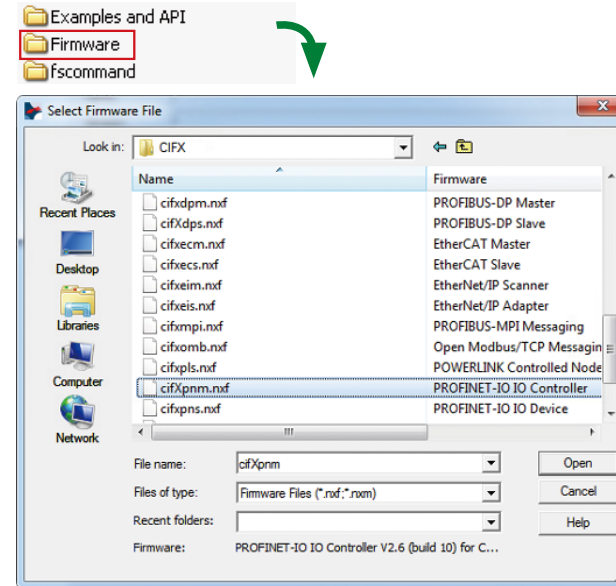
Step 3: Configure the card



Apply Module



Select Firmware (Please go to the "Navigator Area" "Setting" "Driver" Firmware Download"



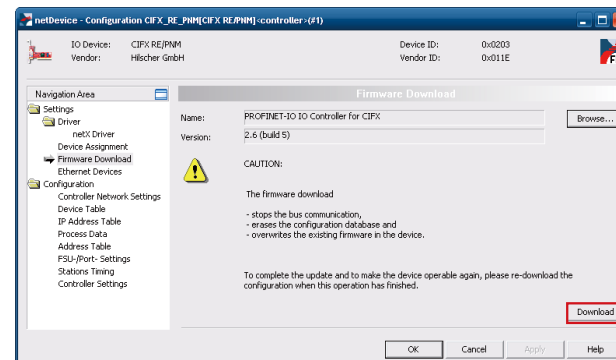
Filer Name Rule

cifx AA B.nxf

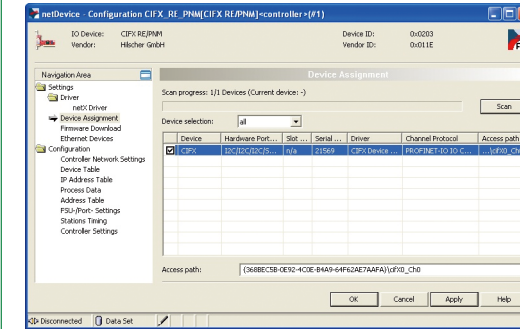
m: Master
s: Slave

pn: PROFINET
ei: EtherNET/IP
ec: EtherCAT
dp: Profibus
dn: DeviceNet
s3: SERCOSIII
co: CANOpen

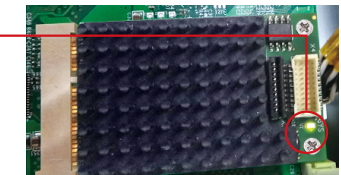
Download Firmware



Device Assignment



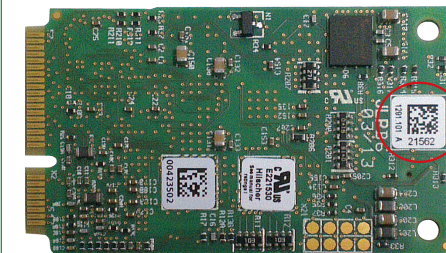
Diagnostics: CIFX-90E SYS LED will steady Green if firmware download successfully.



Noticed : If the SYS LED did not stay in Steady Green . Please check cable and FBI-90E-XXM module

For more detail information for Fieldbus Card, please find the related document in the path of DVD : \Documentation\1. cifx Manuals/english PC Cards CIFX 80 90 90E 104C UM 34 EN.pdf PC Cards CIFX Software Installation UM 33 EN.pdf

For more detail information for SYCON.net software, please find the related documents in the path of DVD: \Documentation\4. Configuration Manuals/english



The serial number is labeled at the bottom side of CiFx card.