

PROFINET with Industrial Ethernet in TIA Portal (TIA-PN)

Short Description

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Objectives

Siemens, a member of PROFIBUS International (PI), offers you the opportunity to learn about the future-oriented PROFINET, the open Industrial Ethernet standard for automation. Using SIMATIC NET components, you will learn how to parameterize, commission and troubleshoot a PROFINET network quickly and effectively. Numerous practical exercises reinforce the acquired theoretical knowledge. This blended-learning course combines Web-based training on the Internet with a 4-day classroom course. As a follow-up to the classroom training, you will receive the WBT "Industrial Ethernet". By using this learning medium, you can maximize your personal learning success of the classroom course.

Target Group

Programmers
Commissioning engineers
Engineering personnel
Maintenance personnel
Service personnel
Operators

Content

Basics of Industrial Ethernet
Basics of PROFINET IO, RT&IRT
PROFINET IO with configuring and programming
Commissioning the media redundancy
Plant-wide engineering & diagnostics with TIA Portal
Introduction to the integrated Web-services in the PROFINET devices
Utilizing and configuring Shared Device
Parameterizing and applications of I-Device
Links (PN/PN coupler)
Data communication between two controllers with:
- S7 connections
- Ethernet connections (ISO on TCP, TCP, UDP) through Open User Communication
Data communication PC/Controller with an OPC-S7 connection
Extensive practical examples with exercises

Prerequisites

SIMATIC S7 knowledge according to TIA-PRO1, TIA-SERV2 or TIA-SYSUP
Additionally, an online entry test is available to ensure that the course of your choice fits your competencies

Type

Face-to-face training

Duration

5 days

Language

English