

PROFINET with SIMATIC Controllers (TIA Portal) (IK-PNCOM)

Short Description

PROFINET gives you new ways to boost your productivity with four key advantages – openness, flexibility, efficiency, and performance. This course teaches you the versatile possibilities of PROFINET – the leading Industrial Ethernet standard for automation – for networking your plant and enables you to realize efficient real-time communication with SIMATIC Controllers.

Objectives

In this course you will learn to use the real-time-capable standard PROFINET in your automation solution. You will learn how to parameterize, commission, diagnose and troubleshoot a PROFINET network quickly and effectively. Numerous practical exercises with SIMATIC and SCALANCE products and TIA Portal reinforce the acquired theoretical knowledge.

Target Group

Engineering personnel
Programmers
Commissioning engineers

Content

Basics PROFINET
Configuring PROFINET
Configuring topologies
Device and network diagnostics
Ring redundancy (MRP)
Shared Device
I-Device
Cycle synchronicity with PROFINET IRT
Gateways and communication via PN/PN couplers

Prerequisites

SIMATIC S7 knowledge according to the course TIA-PRO1, TIA-SERV2 or TIA-SYSUP.

Type

Face-to-face training

Duration

4 days

Language

sv