

## PROFINET with SIMATIC Controllers (TIA Portal) (IC-PNCOM)

### 简要介绍

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.

### 培训目的

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.

### 培训对象

- Engineering personnel
- Programmers
- Commissioning engineers

### 课程内容

- Basics of PROFINET
- Configuring PROFINET IO
- Configuring topologies
- Device and network diagnostics
- Ring redundancy (MRP)
- Shared device
- I device
- Isochronous realtime communication (IRT)
- Gateways and communication via PN/PN couplers

### 必备条件

SIMATIC S7 knowledge according to the course [TIA-PRO1](#), [TIA-SERV2](#) or [TIA-SYSUP](#).

### 课程类型

标准课程

### 培训天数

3 天

### 培训语言

en