

CANopen Fundamentals

Agenda VectorAcademy

Duration:	1 Day
Target Group:	Decision makers and developers
Prerequisites:	CAN Fundamentals
Goal:	Acquire basic CANopen knowledge

1 | Introduction to the CAN Protocol 1.3 h

- > Communication mechanisms and properties
- > Requirements for CAN-based systems

2 | Introduction to the CANopen world 1.0 h

- > Overview of components and correlations

3 | Accessing the Object Dictionary (SDO) 1.5 h

- > Configuration via the Service Data Object

4 | Parameter Handling/Parameter Storage 0.3 h

- > Storing the configuration of a CANopen device

5 | Exchange of Process Data (PDO) 1.5 h

- > Use of Process Data Objects in a network
- > Configurability of the communication relationships

6 | Network Management and Error Detection 0.7 h

- > Controlling and monitoring CANopen devices in the network

7 | CANopen Master and CANopen Slave 0.3 h

- > Differentiation of the terms

8 | Conformance Testing 0.3 h

- > Overview of the test tool