

SIMATIC Technology – Motion Control

Starter Guide: Single axes

SIMATIC Technology – Motion Control

General Information



Internet

- www.siemens.com/simatic-technology ([Link](#))



Siemens Industry
Online Support

- www.siemens.com/online-support/simatic-technology ([Link](#))
- TIA Portal Tutorial Center ([Link](#))



Customer Forum

- SIMATIC Technology  ([Link](#))
- SIMATIC Technology  ([Link](#))



YouTube
SIEMENS Channel

- Automation - SIMATIC Technology ([Link](#))
- Automation Tasks in 10 minutes or less ([Link](#))
- Industry: Automation – TIA Portal – Mister Automation ([Link](#))



Reference Center

- SIMATIC Technology Referenzen ([Link](#))

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Option 1/2: SIMATIC & SINAMICS Starter-Kits

Basic

SIEMENS
Ingenuity for life

SIMATIC Starter-Kits

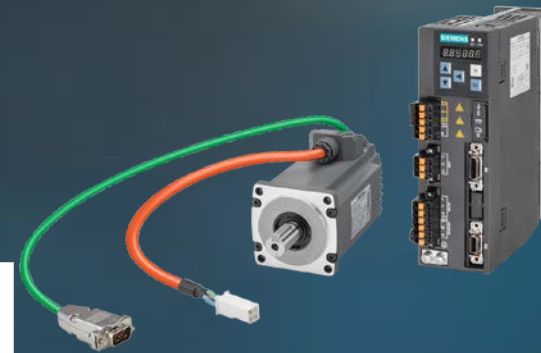


- SIMATIC S7-1500 Compact-CPU
- Art.-Nr.: 6ES7511-1CK03-4YB5

- SIMATIC S7-1500 Technology-CPU
- Art.-Nr.: 6ES7511-1TK02-4YB5



SINAMICS Starter-Kits



- SINAMICS V90-PN
- Art.-Nr.: 6SL3200-0AE40-0AA0

- SINAMICS S210
- Art.-Nr.: 6SL3200-0AE61-0AA0



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Option 2/2: SIMATIC Starter-Kits & SINAMICS Demo-Kits

Comfort

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Ingenuity for life

SIMATIC Starter-Kits



- SIMATIC S7-1500 Compact-CPU
- Art.-Nr.: 6ES7511-1CK03-4YB5



- SIMATIC S7-1500 Technology-CPU
- Art.-Nr.: 6ES7511-1TK02-4YB5



SINAMICS Demo-Kits



- SINAMICS V90-PN ¹⁾
- Art.-Nr.: 6AG1067-1AA32-0AA0



- SINAMICS S210 ¹⁾
- Art.-Nr.: 6AG1067-1AA33-0AA0

- SINAMICS S120 ¹⁾
- Art.-Nr.: 6ZB2480-0CT00



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Single axes with SIMATIC S7-1500/1500 T-CPU (1/2)



Manual

- SIMATIC S7-1500 S7-1500 Motion Control V4.0 in TIA Portal V15 (Entry-ID: [109749262](#))
- SIMATIC S7-1500 S7-1500T Motion Control V4.0 in TIA Portal V15 (Entry-ID: [109749263](#))
- SIMATIC/SINAMICS Getting started with SINAMICS V90 PN on S7-1500 Motion Control (Entry-ID: [109739497](#))



FAQ

- How Can You Integrate a Drive into the TIA Portal via the Device Master File (GSD)? (Entry-ID: [73257075](#))
- Which SINAMICS drives can you use with Motion Control and a SIMATIC S7-1500(T) controller? (Entry-ID: [109750431](#))
- How to you operate the SINAMICS S120 drive via a Technology object (TO) on a SIMATIC S7-1500? (Entry-ID: [109482718](#))
- How should you configure the encoder settings in the TO (Technology Object) for the SINAMICS V90 PN? (Entry-ID: [109747183](#))
- How can you realize the encoder configuration for the “positioning axis” technology object? (Entry-ID: [109486133](#))

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Single axes with SIMATIC S7-1500/1500 T-CPU (2/2)



Application example

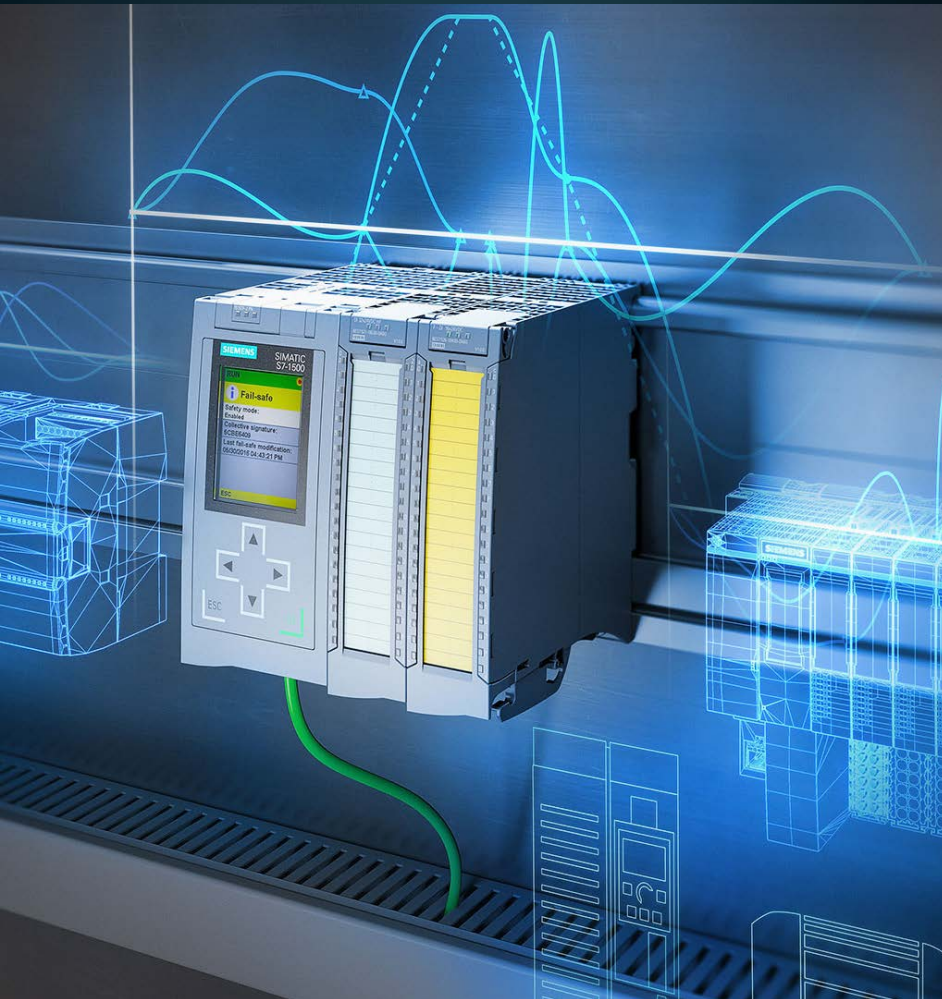
- Technology Objects of the SIMATIC S7-1500(T) (Entry-ID: [109743134](#))
- SIMATIC S7-1500 / S7-1500T: Standard application axis control (Entry-ID: [109749348](#))
- Configuring Technology Objects with SIMATIC S7 1500 and SINAMICS S210 in TIA-Portal (Entry-ID: [109749795](#))
- Position Control of SINAMICS V90 with SIMATIC S7-1500 via IRT PROFINET (Entry-ID: [109739053](#))
- SINAMICS G: Speed Control of a G110M / G120 (Startdrive) with S7-1500 (TO) via PROFINET or PROFIBUS with Safety Integrated (via Terminal) and HMI (Entry-ID: [78788716](#))
- SINAMICS Positioning a G110M/G120 (Startdrive) with S7-1500 (TO) via PROFINET/PROFIBUS with Safety Integrated and HMI (Entry-ID: [81666970](#))
- SINAMICS G: Guide for Commissioning a Position-Controlled Drive (Entry-ID: [109479977](#))



YouTube SIEMENS Channel

- SIMATIC Technology - Motion Control with SIMATIC S7-1500 ([Link](#))
- SIMATIC S7-1500: AT 7 - Integrated Drives and Motion ([Link](#))
- SIMATIC S7-1500: AT 8 - Integrated Positioning([Link](#))

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