

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

S7-400

6DD1600-0AJ0

SIMADYN D CPU MODULE

Used with the applicable S7-400 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official manufacturer documentation

1.1 Prerequisites

Introduction

These brief instructions are intended for introductory level personnel and it outlines the basic procedure when generating a project.

More detailed information about the dialog boxes of the development software and their processing is provided in the corresponding online help.

1.1.1 Software and hardware

Software

Three software packages

- STEP 7
- CFC
- D7-SYS

must be installed precisely in this sequence on your PG/PC with Windows 95/98/ME/NT 4.0/2000. Authorization is required for STEP7 and CFC.

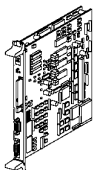
NOTE

The installation and user instructions are provided in the particular "readme" files. Please observe the interdependencies between versions!

When installing STEP7, you will be prompted for the online interface, however, for SIMADYN D nothing has to be selected and installed. ("Close" window and exit the following window with "OK".)

Hardware

You will require the following hardware components for the "My First Project" project example:

Components	Function	Diagram/Order No.
SR6 subrack with power supply 6 slots, backplane PC board with L bus, without fan	... if the subrack is for a SIMADYN D station. ... it is used to mechanically accommodate the modules and supply them with power.	 6DD1682-0BB0
CPU module PM5 (at slot 1)	... executes the user program. ... exchanges data with other modules via the backplane PC board of the subrack. ... communicates with a PG/PC via the serial interface.	 6DD1600-0AJ0

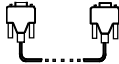
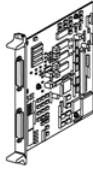
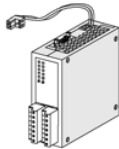
MS5 program memory module <i>(for PM5)</i> PC card standard, 2 Mbyte flash memory and 8 Kbyte EEPROM	... saves the operating system, the user program and the online changes.	 6DD1610-0AH0
PC cable SC 57 Zero-modem cable	... connects the CPU module to the PG/PC.	 6DD1684-0FH0
Expansion module IT41 <i>(at slot 2)</i> 16 digital inputs and outputs, 8 analog inputs and outputs, 4 incremental encoder inputs.	... expands the CPU module by technology-specific functions. It is especially fast, as it is directly screwed to the CPU module and the backplane bus is not used.	 6DD1606-3AC0
Interface cable SC 54 Length: 2 m	... connects the inputs/outputs of the IT41 module with up to 5 SBxx or SU12 interface modules.	 6DD1684-0FE0
Interface module SB10 2 x 8 screw terminals, LED displays	... allows you to test the user program during commissioning and in operation, as the statuses of the digital outputs are displayed using LEDs.	 6DD1681-0AE2

Fig. 1-1 Module list for the project example "My First Project"

NOTE

It is also possible to use other hardware platforms (T400, FM 458) by appropriately taking this into account in the configuring.
Technical data is provided in the SIMADYN D Hardware Manual,
additional ordering information in Catalog DA99.