SIEMENS

Data sheet 6AV6676-6MB30-4AD0



SIMATIC MODBUS/TCP CP Red for S7-400 H systems, online software delivery, single license

General information	
Engineering with	
● STEP 7 TIA Portal configurable/integrated from version	V13
● STEP 7 configurable/integrated from version	STEP 7 V5.5 or higher
● PCS 7 configurable/integrated from version	PCS 7 V7.1 SP2
Redundancy	
● Redundancy capability	Yes; Suitable for configuring H systems
Protocols	
SIMATIC communication	
● Communication as Modbus server	Yes
● Communication as Modbus client	Yes
● User data per job (of which consistent), max.	250 byte
Operating systems	
Runs under operating system	
● Windows XP	Yes
● Windows 7	Yes
Software	
Runtime software	
Target system	
— ET 200S	Yes; FW V3.2 or higher
— S7-300	Yes; FW V3.2 or higher
— S7-400	Yes; FW V6.0 or higher
— WinAC	No
— Suitable for other target system	Yes; See: https://support.industry.siemens.com/cs/ww/en/view/104946406
Block	
● Local data requirements	344 byte
● FB length in RAM, max.	22 kbyte
● Multi-instance capable	Yes
Communication data	
● Multiport	Yes; Dependent on CP
● implemented function codes	01, 02, 03, 04, 05, 06, 15, 16
Authorization/licenses	
● Single license (EL)	Yes
Configuration	
Configuration software	
● Wizard for configuration support	Yes; Wizard
Programming	
Programming language	
— LAD	Yes

Subject to change without notice
© Copyright Siemens

— FBD	Yes
— STL	Yes
— SCL	Yes
— CFC	Yes
— GRAPH	Yes
Configuration examples	
— STL example project	Yes
— CFC example project	Yes

Documentation

Languages	
● German	Yes
● English	Yes; Online software delivery
● French	Yes; Online software delivery

Classifications

	Version	Classification
eClass	16	27-24-25-05
eClass	14	27-24-25-05
eClass	12	27-24-25-05
eClass	9.1	27-24-25-05
eClass	9	27-24-25-05
eClass	8	27-24-25-05
eClass	7.1	27-24-25-05
eClass	6	27-24-25-05
ETIM	10	EC002582
ETIM	9	EC002582
ETIM	8	EC002582
ETIM	7	EC002582
IDEA	4	7151
UNSPSC	15	43-23-36-03

Approvals / Certificates

General Product Approval

Manufacturer Declaration

last modified: 7/1/2025

© Copyright Siemens