

SIEMENS

Product data sheet

6ES7870-1AA01-0YA0


SIMATIC S7,
MODBUS MASTER V3.1 SINGLE LICENSE F.1
INSTALLATION R-SW,
SW AND DOCU. ON CD, HW-DONGLE, CLASS A,
3 LANGUAGES (G,E,F),
EXECUTABLE U. STEP7 FROM V4.2,
REFERENCE-HW: CP341 AND CP441-2

Standards, approvals, certificates	
Developed according to IEC 61131	Yes
Software	
Class A	Yes
Runtime software	
Target system	
Target system	SIMATIC CP 341/CP 441-2
Adjustable parameters	
Response monitoring time	100 ms to 25.5 s in 100-ms grid
Factor for the character delay time	1 or 10
Modem operation (ignore filler characters)	with/without
RS 485 operation for 2-wire connection	with/without
Preassignment of receive circuit on application of the X.27 interface module	Yes
Communication data	
CRC polynomial	$X^{16} + x^{15} + x^2 + 1$

Receive mailbox	Specified on BRCV
Master-slave coupling	SIMATIC S7 is master
Modbus protocol	with RTU format
implemented function codes	01, 02, 03, 04, 05, 06, 07, 08, 11, 12, 15, 16
Broadcast Message	possible
Transmission rate	300 bit/s to 76800 bit/s; (TTY to 19200 bit/s)
V.24 control and signal cables	none
Character delay time	3.5 characters or multiples
Authorization/licenses	
Single license (EL)	Yes
Documentation	
Languages	
German	Yes
English	Yes
French	Yes
Status	Jun 23, 2012