SIEMENS

Data sheet 6ES7870-1AB01-0YA0

Figure similar

SIMATIC S7, MODBUS Slave V3.1 single license for 1 installation R-SW, SW and DOCU on CD, HW dongle, Class A, 3 languages (de, de, fr, en fr), executable in STEP 7 V4.02 or higher, reference hardware: CP 341 and CP 441-2

Operating systems	
Runs under operating system	
● Windows 9x	No
● Windows ME	No
● Windows NT 4.0	No
● Windows 2000	No
● Windows XP	Yes
Software	
Software class	A
Target system	CP 341 AND CP 441-2
Block	
● Communications FB instance DB	FB 180, DB 180 (use of a multi-instance)
Adjustable parameters	
● Enable of the memory areas writeable by the master possible	Yes
● Number of work DB (for FB editing) possible	Yes
● Factor for the character delay time	1 to 10
● Modem operation (ignore filler characters)	with/without
● RS 485 operation for 2-wire connection	with/without
● Slave address of the CP	1 to 255
● Transmission rate	300 bit/s to 76 800 bit/s; (TTY to 19 200 bit/s)
● Conversion of Modbus addresses to S7 data areas	Yes
● Preassignment of receive circuit on application of the X.27 interface module	Yes
● Character frame	Yes
Communication data	
● CRC polynomial	X16 + x15 + x2 + 1
● Modbus protocol	with RTU format
● implemented function codes	01, 02, 03, 04, 05, 06, 08, 15, 16
● Conversion of Modbus addresses to S7 data areas	DB, memory bits, outputs, inputs, times, counters
● V.24 control and signal cables	none
● Character delay time	3.5 characters or multiples
Authorization/licenses	
● Single license (EL)	Yes
configuration / header	
configuration / programming / header	
Programming language	
— LAD	Yes
— FBD	Yes

— STL	Yes
Documentation	
Languages	
● German	Yes
● English	Yes
● French	Yes

last modified: 3/4/2021