

SIEMENS

Product data sheet

6ES7671-5EF01-0YA0


SIMATIC WINAC MP 2008 SOFTWARE SPS FOR
MP277 PLATFORMS INCL. SINGLE LICENSE ON
USB STICK INCL. ELECTRONIC DOCU

Memory	
Work memory	
integrated	256 kbyte
expandable	No
Load memory	
integrated RAM, max.	8 Mbyte
CPU-blocks	
DB	
Number, max.	1024 ; FBs+FCs+DBs=1024
Size, max.	64 kbyte
FB	
Number, max.	1024 ; FBs+FCs+DBs=1024
Size, max.	64 kbyte
FC	
Number, max.	1024 ; FBs+FCs+DBs=1024

Size, max.	64 kbyte
OB	
Number, max.	18
Size, max.	64 kbyte
Number of free cycle OBs	1 ; OB 1
Number of time alarm OBs	1 ; OB 10
Number of delay alarm OBs	1 ; OB 20
Number of time interrupt OBs	1 ; OB 35
Number of process alarm OBs	1 ; OB 40
Number of startup OBs	2 ; OB 100, 102
Number of asynchronous error OBs	6 ; OB 80, 82, 83, 85, 86, 88
Nesting depth	
per priority class	8
additional within an error OB	2
Counters, timers and their retentivity	
S7 counter	
Number	256
of which retentive without battery	
adjustable	Yes
lower limit	0
upper limit	255
Retentivity	
adjustable	Yes
preset	8
Counting range	
lower limit	0
upper limit	999
IEC counter	
present	Yes ; SFB0, SFB1, SFB2
S7 times	
Number	256
of which retentive without battery	
adjustable	Yes

lower limit	0
upper limit	255
Retentivity	
adjustable	Yes
preset	0
Time range	
lower limit	10 ms
upper limit	9990 s
IEC timer	
present	Yes ; SFB3, SFB4, SFB5
Data areas and their retentivity	
retentive data area in total (incl. times, counters, flags), max.	128 kbyte
Flag	
Number, max.	2 kbyte
Retentivity available	Yes
Data blocks	
Number, max.	1024
Size, max.	64 kbyte
Local data	
per priority class, max.	16384 byte ; for all priority classes
Address area	
I/O address area	
Inputs	4 kbyte
Outputs	4 kbyte
of which, distributed	
Inputs	4 kbyte
Outputs	4 kbyte
Process image	
Inputs	2 kbyte
Outputs	2 kbyte
Inputs, adjustable	2 kbyte
Outputs, adjustable	2 kbyte
Inputs, default	512 byte

Outputs, default	512 byte
consistent data, max.	32 byte
Hardware configuration	
Number of DP masters	
integrated	1
Time of day	
Operating hours counter	
Number	8
Number/Number range	0 to 7
1st interface	
DP master	
Number of connections, max.	8
Services	
PG/OP communication	Yes
Routing	Yes
Global data communication	No
S7 basic communication	No
S7 communication	Yes
Equidistance mode support	No
SYNC/FREEZE	Yes
Activation/deactivation of DP slaves	Yes
DPV1	Yes
Transmission rate, max.	12 Mbit/s
Number of DP slaves, max.	32
Address area	
Inputs, max.	4 kbyte
Outputs, max.	4 kbyte
User data per DP slave	
User data per DP slave, max.	244 byte ; Max. consistent user data length 32 bytes
Communication functions	
PG/OP communication	Yes
Routing	Yes
Global data communication	

supported	No
S7 basic communication	
supported	No
S7 communication	
supported	Yes ; PUT/GET, BSEND/BRCV, USEND/URCV
as server	Yes
as client	Yes
User data per job, max.	480 byte
Number of connections	
overall	16 ; (max. 8 DP, rest PROFINET)
usable for PG communication	
reserved for PG communication	1
usable for OP communication	
reserved for OP communication	1
usable for routing	14
Number of logical connections (also in network), max.	16
S7 message functions	
Process diagnostic messages	Yes
Test commissioning functions	
Status/control	
Status/control variable	Yes ; Status blocks, single step, breakpoint
Forcing	
Forcing	No
Diagnostic buffer	
present	Yes
Number of entries, max.	1000 ; preset 120
adjustable	Yes
Operating systems	
Windows CE	Yes ; Version 5.0 or higher
Configuration	
Configuration software	
STEP 7	Yes
WinCC flexible Compact	No

WinCC flexible Standard	Yes ; WinCC flexible 2008 SP1
WinCC flexible Advanced	Yes ; WinCC flexible 2008 SP1
programming	
Programming language	
LAD	Yes
FBD	Yes
STL	Yes
SCL	Yes
CFC	Yes
Software libraries	
Process diagnostics	Yes ; System error messages, ProAgent (S7-Graph)
Cycle time monitoring	
adjustable	Yes
preset	6000 ms
Languages	
Online languages	
Number of online/runtime languages	1 ; English
Status	Jul 17, 2012