



SIMATIC MP 377 12" TOUCH MULTIPANEL,
 WINDOWS CE 5.0 12" COLOR-TFT-DISPLAY 12 MB USER
 MEMORY CONFIGURABLE FROM WINCC FLEXIBLE 2007
 ***** FOR THIS PRODUCT A
 DELIVERY STOP WILL BE DECLARED FROM OCTOBER
 1ST,
 2014. INFORMATION ABOUT SUCCESSOR SEE SIMATIC
 UPDATE ID: 62977695 FOR FURTHER QUESTIONS
 PLEASE APPROACH YOUR SIEMENS CONTACT
 PERSON.

General information	
customer-specific configuration	No
Display	
Design of display	TFT
Screen diagonal	12.1 in
Size	12.1" (246 mm x 184.5 mm)
Display type	TFT, 65536 colors
Number of greyscales	0
Color type	Colors
Resolution (pixels)	
horizontal image resolution	800
vertical image resolution	600
Resolution (WxH in pixel)	800 x 600
Backlighting	
MTBF backlighting (at 25 °C)	about 50,000 hours
Control elements	
Control elements	Touch screen
Operating options	Touch
Connection for mouse/keyboard/barcode reader	USB / USB / USB

Keyboard fonts	
Keys with LED	No
Numeric/alphabetical input	Yes / Yes
hexadecimal keyboard	Yes
Touch operation	
Touch screen	analog, resistive
Design as touch screen	Yes
Supply voltage	
Type of supply voltage	DC
Input current	
Rated current	1.5 A
Power	
Power	36 W
Memory	
Type	Flash / RAM
usable memory for user data	12288 KB usable memory for user data / 12288 KB additional memory for options
Time of day	
Clock	
Type	Hardware clock, battery backup, synchronizable
Hardware clock (real-time clock)	Yes
battery-backed	Yes
synchronizable	Yes
Interfaces	
Interfaces	1 x RS422, 1 x RS485, 2 x Ethernet (RJ45)
Number of RS 485 interfaces	1
USB port	2 x USB
CF card slot	1 x CF card slot
Industrial Ethernet	
Industrial Ethernet interface	2 x Ethernet (RJ45)
Protocols	
PROFIsafe	No
PROFIBUS	Yes
MPI	Yes
Protocols (Ethernet)	
TCP/IP	Yes
Protocols (terminal link)	
Sm@rtServer	Yes

Further protocols	
other bus systems	Yes
EMC	
Emission of radio interference acc. to EN 55 011	
Emission of radio interference acc. to EN 55 011 (limit class A)	Yes
Degree and class of protection	
Front	IP65, NEMA 4, NEMA 12 (when installed)
IP (at the front)	IP65
NEMA	NEMA 4, NEMA 12
Rear	IP20
IP (rear)	IP20
Standards, approvals, certificates	
Certifications	CE, FM Class I Div. 2, cULus, EX-Zone 22, C-TICK, NEMA 4, NEMA 12
cULus	Yes
EMC	The product is designed for use in industrial environments. When used in residential areas, the emission of radio interference according to limit class B of EN 55011 must be ensured. For further information please refer to the user documentation.
Suitable for safety functions	No
Use in hazardous areas	
EX zone 22	Yes
FM Class I Division 2	Yes
Ambient conditions	
maximum permissible angle of inclination without external ventilation	+/- 35 °
Storage/transport temperature	
Transport, storage	-20 °C to +60 °C
Relative humidity	
Operation, max.	90 %
Operating systems	
Operating system	Windows CE
Configuration	
Message indicator	Yes
With alarm logging system (incl. buffer and acknowledgment)	Yes
Process value display (output)	Yes
Process value default (input) possible	Yes
Recipe administration	Yes
Configuration software	

STEP 7 Basic (TIA Portal)	No
STEP 7 Professional (TIA Portal)	No
WinCC flexible Compact	No
WinCC flexible Standard	Yes
WinCC flexible Advanced	Yes
WinCC Basic (TIA Portal)	No
WinCC Comfort (TIA Portal)	Yes
WinCC Advanced (TIA Portal)	Yes
WinCC Professional (TIA Portal)	Yes
Configuration tool	WinCC flexible Standard Version 2007 or higher (to be ordered separately)
2. Configuration kit	WinCC flexible Standard
Version	Version 2007
Configuration tool	WinCC flexible
Type	Standard
Languages	
Online languages	
Number of online/runtime languages	16
Project languages	
Languages per project	32
Functionality under WinCC (TIA Portal)	
Libraries	Yes
Task planner	Yes
Help system	Yes
Number of characters per info text	70
Message system	
Number of alarm classes	32
Number of messages	4000
Bit messages	Yes
Analog messages	Yes
Number of bit messages	4000
Number of analog messages	200
Telegram message procedure Alarm S	Yes
System messages HMI	Yes
System messages PLC	Yes
System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.)	Yes
Message length (in characters)	80
Lines	1

Number of process values per message	8
Message indicator	Yes
First/last value	Yes
Recipe administration	
Number of recipes	500
Data records per recipe	1000
Entries per data record	1000
Recipe memory	128 KB integrated Flash, expandable
Variables	
Number of variables per device	4096 ; Configuration with WinCC flexible 2008 and higher
Number of variables per screen	400
Number of variables	2000
Initial values	2048
Limit values	Yes
Multiplexing	Yes
Structures	Yes
Type Date & Time	2048
Images	
Number of configurable images	500
Permanent window/default	Yes
Start screen configurable	Yes
Image selection by PLC	Yes
Image number in the PLC	Yes
Image objects	
Text objects	30000 text elements
I/O fields per image	400
Date/time fields	400
Return	Yes
Graphics object	Bit maps, icons, vector graphics
Icons	2000
Complex image objects	
Status/control	With SIMATIC S7
dynamic objects	Diagrams, bar graphs, sliders, analog display, invisible buttons
Number of objects per project	2000
Number of curve diagrams per image	20
Methods	Trend / profile
Limit value lines	Yes
Number of bars per chart	20
Limit value lines	Yes

alphanumeric fields	300
alphanumeric fields per image	400
numerical fields	2048
numerical fields per image	400
Password fields	2048
Number of slides per image	20
Number of analog indicators per image	20
Number of visible switches per project	400
visible switches per image	400
hidden switches per image	400
Number of status switches per project	400
Button status switches per image	400
Number of selector switches per project	400
Selector switches per image	400
Number of signal lamps per project	400
Signal lamps per image	400
Attributes for dynamic objects	
Color change	Yes
X/Y movement	Yes
Hide	Yes
Lists	
Number of text lists per project	500
Number of text lists per image	400
Number of entries per text list	256
Number of graphics lists per project	500
Number of graphic lists per image	400
Number of entries per graphics list	256
Archiving	
Number of archives per device	50
Number of measuring points per project	50
Number of entries per archive	50000
Message archive	Yes
Process value archive	Yes
Archiving methods	Sequence archive, circular log, alarm log, process value archive
Sequential archive	Yes
Short-term archive	Yes
Memory location	CF card, SD/MMC card, Ethernet, USB memory stick
CF card	Yes
Ethernet	Yes

Data storage format	CSV file, readable, e.g. with MS Excel, MS Access
CSV	Yes
external evaluation	Readable, e.g. with MS Excel, MS Access, etc.
Size of archive	depending on free memory on ext. card/stick or on free hard disk space via network drive
Online evaluation	via trends
using trend curves	Yes
Filters	
cyclic	Yes
Tolerance	Yes
Change	Yes
Security	
Number of user groups	50
Number of user rights	32
Password export/import	Yes
Data storage medium support	
CF card	Yes
Hard disk	Yes
Logging through printer	
Recording/Printing	Alarms, report (shift report), color print, hardcopy
Transfer (upload/download)	
Transfer of configuration	MPI/PROFIBUS DP, serial, USB, Ethernet, by means of external storage medium, automatic transfer recognition
Process coupling	
Connection to controller	S5, S7-200, S7-300/400, TI 505, Win AC, PC (TCP/IP), SINUMERIK, SIMOTION, Allen Bradley (DF1), Allen Bradley (DF485), Mitsubishi (FX), OMRON (LINK/Multilink), Modicon (Modbus), further non-Siemens drivers, see chapter "System interfaces"
S7-1200	Yes
S7-1500	Yes
S7-200	Yes
PPI (point-to-point)	Yes
PPI network	Yes
MPI	Yes
PROFIBUS DP	Yes
S7-300/400	Yes
MPI	Yes
PROFIBUS DP	Yes
PROFINET	Yes
S5	Yes

PROFIBUS DP	Yes
TI 505	Yes
Allen Bradley (DF1)	Yes
Allen Bradley (DF485)	Yes
Mitsubishi (FX)	Yes
Mitsubishi (MP4)	Yes
Telemecanique (Uni-Telway)	Yes
OMRON (LINK/Multilink)	Yes
Modicon (Modbus)	Yes
GE-Fanuc (SNP)	Yes
Functions	
TAB sequence	Yes
Calculating functions	Yes
Animate	Yes
Service tools/configuration aids	
Clean screen	Yes
Touch calibration	Yes
Backup/Restore manually	Yes
Simulation	Yes
Device switchover	Yes
Delta transfer	Yes
Expandability/openness	
Open Platform Program	Yes
Peripherals/Options	
Peripherals	Printer, card reader, barcode reader
Multimedia Card	Yes
SD card	Yes
USB memory	Yes
Additional software components loadable	Yes
Dimensions	
Front of enclosure (W x H)	335 mm x 275 mm
Mounting cutout/device depth (W x H / D)	310 mm x 248 mm / 72 mm device depth
Weights	
Weight (without packaging)	3.8 kg
Status	Jul 30, 2014