



SIMATIC MP 377 19" TOUCH MULTIPANEL,  
 WINDOWS CE 5.0 19" 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.

Display	
Design of display	TFT
Screen diagonal	19 in
Size	19" (376.3 mm x 301.1 mm)
Display type	TFT, 65536 colors
Number of grayscales	0
Color type	Colors
Resolution (pixels)	
horizontal image resolution	1280
vertical image resolution	1024
Resolution (WxH in pixel)	1280 x 1024
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

<b>Numeric/alphabetical input</b>	Yes / Yes
<b>hexadecimal keyboard</b>	Yes
<b>Touch operation</b>	
<b>Touch screen</b>	analog, resistive
<b>Design as touch screen</b>	Yes
<b>Input current</b>	
<b>Rated current</b>	2.5 A
<b>Power</b>	
<b>Power</b>	60 W
<b>Memory</b>	
<b>Type</b>	Flash / RAM
<b>usable memory for user data</b>	12288 KB usable memory for user data / 12288 KB additional memory for options
<b>Time of day</b>	
<b>Clock</b>	
<b>Type</b>	Hardware clock, battery backup, synchronizable
<b>Hardware clock (real-time clock)</b>	Yes
<b>battery-backed</b>	Yes
<b>synchronizable</b>	Yes
<b>Interfaces</b>	
<b>Interfaces</b>	1 x RS422, 1 x RS485, 2 x Ethernet (RJ45)
<b>Number of RS 485 interfaces</b>	1
<b>USB port</b>	2 x USB
<b>CF card slot</b>	1 x CF card slot
<b>Industrial Ethernet</b>	
<b>Industrial Ethernet interface</b>	2 x Ethernet (RJ45)
<b>Protocols</b>	
<b>PROFIsafe</b>	No
<b>PROFIBUS</b>	Yes
<b>MPI</b>	Yes
<b>Protocols (Ethernet)</b>	
<b>TCP/IP</b>	Yes
<b>Protocols (terminal link)</b>	
<b>Sm@rtServer</b>	Yes
<b>Further protocols</b>	
<b>other bus systems</b>	Yes
<b>EMC</b>	
<b>Emission of radio interference acc. to EN 55 011</b>	

<b>Emission of radio interference acc. to EN 55 011 (limit class A)</b>	Yes
<b>Degree and class of protection</b>	
<b>Front</b>	IP65, NEMA 4, NEMA 12 (when installed)
<b>IP (at the front)</b>	IP65
<b>NEMA</b>	NEMA 4, NEMA 12
<b>Rear</b>	IP20
<b>IP (rear)</b>	IP20
<b>Standards, approvals, certificates</b>	
<b>Certifications</b>	CE, FM Class I Div. 2, cULus, EX-Zone 22, C-TICK, NEMA 4, NEMA 12
<b>cULus</b>	Yes
<b>Use in hazardous areas</b>	
<b>EX zone 22</b>	Yes
<b>FM Class I Division 2</b>	Yes
<b>Ambient conditions</b>	
<b>maximum permissible angle of inclination without external ventilation</b>	+/- 35 °
<b>Storage/transport temperature</b>	
<b>Transport, storage</b>	-20 °C to +60 °C
<b>Relative humidity</b>	
<b>Operation, max.</b>	90 %
<b>Operating systems</b>	
<b>Operating system</b>	Windows CE
<b>Configuration</b>	
<b>Message indicator</b>	Yes
<b>With alarm logging system (incl. buffer and acknowledgment)</b>	Yes
<b>Process value display (output)</b>	Yes
<b>Process value default (input) possible</b>	Yes
<b>Recipe administration</b>	Yes
<b>Configuration software</b>	
<b>STEP 7 Basic (TIA Portal)</b>	No
<b>STEP 7 Professional (TIA Portal)</b>	No
<b>WinCC flexible Compact</b>	No
<b>WinCC flexible Standard</b>	Yes
<b>WinCC flexible Advanced</b>	Yes
<b>WinCC Basic (TIA Portal)</b>	No
<b>WinCC Comfort (TIA Portal)</b>	Yes
<b>WinCC Advanced (TIA Portal)</b>	Yes

<b>WinCC Professional (TIA Portal)</b>	Yes
<b>Configuration tool</b>	WinCC flexible Standard Version 2007 or higher (to be ordered separately)
<b>2. Configuration kit</b>	WinCC flexible Standard
<b>Version</b>	Version 2007
<b>Configuration tool</b>	WinCC flexible
<b>Type</b>	Standard
<b>Languages</b>	
<b>Online languages</b>	
<b>Number of online/runtime languages</b>	16
<b>Project languages</b>	
<b>Languages per project</b>	32
<b>Functionality under WinCC (TIA Portal)</b>	
<b>Libraries</b>	Yes
<b>Task planner</b>	Yes
<b>Help system</b>	Yes
<b>Number of characters per info text</b>	70
<b>Message system</b>	
<b>Number of alarm classes</b>	32
<b>Number of messages</b>	4000
<b>Bit messages</b>	Yes
<b>Analog messages</b>	Yes
<b>Number of bit messages</b>	4000
<b>Number of analog messages</b>	200
<b>Telegram message procedure Alarm S</b>	Yes
<b>System messages HMI</b>	Yes
<b>System messages PLC</b>	Yes
<b>System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.)</b>	Yes
<b>Message length (in characters)</b>	80
<b>Lines</b>	1
<b>Number of process values per message</b>	8
<b>Message indicator</b>	Yes
<b>First/last value</b>	Yes
<b>Recipe administration</b>	
<b>Number of recipes</b>	500
<b>Data records per recipe</b>	1000
<b>Entries per data record</b>	1000
<b>Recipe memory</b>	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
<b>Attributes for dynamic objects</b>	
Color change	Yes
X/Y movement	Yes
Hide	Yes
<b>Lists</b>	
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
<b>Archiving</b>	
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
<b>Filters</b>	

<b>cyclic</b>	Yes
<b>Tolerance</b>	Yes
<b>Change</b>	Yes
<b>Security</b>	
<b>Number of user groups</b>	50
<b>Number of user rights</b>	32
<b>Password export/import</b>	Yes
<b>Data storage medium support</b>	
<b>CF card</b>	Yes
<b>Hard disk</b>	Yes
<b>Logging through printer</b>	
<b>Recording/Printing</b>	Alarms, report (shift report), color print, hardcopy
<b>Transfer (upload/download)</b>	
<b>Transfer of configuration</b>	MPI/PROFIBUS DP, serial, USB, Ethernet, by means of external storage medium, automatic transfer recognition
<b>Process coupling</b>	
<b>Connection to controller</b>	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"
<b>S7-1200</b>	Yes
<b>S7-1500</b>	Yes
<b>S7-200</b>	Yes
<b>PPI (point-to-point)</b>	Yes
<b>PPI network</b>	Yes
<b>MPI</b>	Yes
<b>PROFIBUS DP</b>	Yes
<b>S7-300/400</b>	Yes
<b>MPI</b>	Yes
<b>PROFIBUS DP</b>	Yes
<b>PROFINET</b>	Yes
<b>S5</b>	Yes
<b>PROFIBUS DP</b>	Yes
<b>TI 505</b>	Yes
<b>Allen Bradley (DF1)</b>	Yes
<b>Allen Bradley (DF485)</b>	Yes
<b>Mitsubishi (FX)</b>	Yes
<b>Mitsubishi (MP4)</b>	Yes
<b>Telemecanique (Uni-Telway)</b>	Yes

<b>OMRON (LINK/Multilink)</b>	Yes
<b>Modicon (Modbus)</b>	Yes
<b>GE-Fanuc (SNP)</b>	Yes
<b>Functions</b>	
<b>TAB sequence</b>	Yes
<b>Calculating functions</b>	Yes
<b>Animate</b>	Yes
<b>Service tools/configuration aids</b>	
<b>Clean screen</b>	Yes
<b>Touch calibration</b>	Yes
<b>Backup/Restore manually</b>	Yes
<b>Simulation</b>	Yes
<b>Device switchover</b>	Yes
<b>Delta transfer</b>	Yes
<b>Monitoring function for battery and memory</b>	Yes
<b>Expandability/openness</b>	
<b>Open Platform Program</b>	Yes
<b>Peripherals/Options</b>	
<b>Peripherals</b>	Printer, card reader, barcode reader
<b>Multimedia Card</b>	Yes
<b>SD card</b>	Yes
<b>USB memory</b>	Yes
<b>Additional software components loadable</b>	Yes
<b>Dimensions</b>	
<b>Front of enclosure (W x H)</b>	483 mm x 400 mm
<b>Mounting cutout/device depth (W x H / D)</b>	449 mm x 379 mm / 75 mm device depth
<b>Weights</b>	
<b>Weight (without packaging)</b>	7.7 kg
Status	Jul 30, 2014