

*** SPARE PART*** SIMATIC MOBILE PANEL 170 WITH
INTEGRATED ENABLING BUTTON CONFIGURABLE W.
PROTOOL/LITE VERSION V6.0+SP2 AND HIGHER

Display	
Design of display	STN
Screen diagonal	5.7 in
Number of colors	16
Color type	Colors
Resolution (pixels)	
• Horizontal image resolution	320 Pixel
• Vertical image resolution	240 Pixel
• Resolution (WxH in pixel)	320 x 240
Backlighting	
• MTBF backlighting (at 25 °C)	50 000 h
Control elements	
Control elements	Keys and Touch
Keyboard fonts	
• Membrane keyboard	
— user-definable label membrane keys	Yes
• Function keys	14 function keys, 8 with LEDs
— Number of function keys	14
— Number of function keys with LEDs	8
• System keys	
— Number of configurable system keys	0
• Numeric/alphabetical input	Yes / Yes
— hexadecimal keyboard	Yes
• Multi-key operation	Yes
— Number of multi-key operations	2
Touch operation	
• Design as touch screen	Yes; analog, resistive
Special operator controls	
• Illuminated pushbutton	No
• Handwheel	No
Supply voltage	
Description	via connection box
Processor	

Processor type	RISC 32-bit, 66 MHz
Drives	
Diskette drive	No
CD-ROM	No
Hard disk	No
Memory	
Type of memory	Flash / RAM
Memory available for user data	768 kbyte
Type of output	
Info LED	No
Power LED	No
Error LED	No
Time of day	
Clock	
Type	Hardware clock, no battery backup
Hardware clock (real-time clock)	Yes
Software clock	No
retentive	No
Interfaces	
Interfaces/bus type	2 x RS232, 1 x RS422, 1 x RS485 (max. 12 Mbit/s)
Number of RS 485 interfaces	1
Transmission rate, max.	12 Mbit/s
Number of USB interfaces	0
USB port	No
PC card slot	No
CF card slot	1 x CF card slot
Multimedia Card slot	No
Special interfaces	No
Industrial Ethernet	
Industrial Ethernet interface	No
Industrial Ethernet status LED	0
Degree and class of protection	
Enclosure according to EN 60529	IP65
Standards, approvals, certificates	
Certifications	CE, cULus, SIBE
CE mark	Yes
Ambient conditions	
Free fall	
Fall height, max.	1.5 m
Ambient temperature during operation	

• min.	0 °C
• max.	40 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
• Operation, max.	80 %
Operating systems	
Operating system	Windows CE
Configuration	
Configuration software	
• Configuration tool	ProTool / Lite, Version 6 SP 2 and higher or WinCC flexible Compact Version 1 and higher (to be ordered separately)
• 1. Configuration kit	ProTool / Lite
— Version	Version 6 SP 2
— Configuration tool	ProTool
— Type	Lite
• 2. Configuration kit	WinCC flexible Compact
— Version	Version 1
— Configuration tool	WinCC flexible
— Type	Compact
Languages	
Online languages	
• Number of online/runtime languages	5
Project languages	
• Languages per project	32
Functionality under WinCC (TIA Portal)	
Libraries	Yes
Applications/options	none
• Web browser	No
• Pocket Word	No
• Pocket Excel	No
• SIMATIC WinCC Sm@rtServer	No
Number of Visual Basic Scripts	
• Debugging in the simulator	No
Task planner	Yes
Help system	Yes
• Number of characters per info text	70
• Number of tooltips	0
Message system	

• Number of alarm classes	32
• Number of messages	2 000
• Bit messages	Yes
— Number of bit messages	2 000
• Analog messages	Yes
— Number of analog messages	50
• Telegram message procedure Alarm S	No
• System messages HMI	Yes
• System messages PLC	No
• System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.)	No
• Message length (in characters)	70
• Lines	1
• Number of process values per message	8
• Acknowledgment groups	
— Number of acknowledgement groups	99
• Message indicator	Yes
• acoustic feedback	Yes
• First/last value	Yes
Recipe administration	
• Number of recipes	100
• Data records per recipe	200
• Entries per data record	200
• Recipe memory	32 KB integrated Flash, expandable
Variables	
• Number of variables per device	1 024
• Number of variables per screen	50
• Limit values	Yes
• Multiplexing	Yes
• Structures	Yes
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	2,500 text elements
• Number of I/O fields per image	50
• Index of screen context	No
• Return	Yes

• Graphics object	Bit maps, vector graphics
Complex image objects	
• Status/control	Not possible
• dynamic objects	Diagrams, bar graphs, sliders, invisible buttons
• Methods	Trend / profile
• Limit value lines	Yes
• Number of bars per chart	5
• Limit value lines	Yes
• Number of visible switches per project	1 000
Attributes for dynamic objects	
• Color change	Yes
• X/Y movement	Yes
• Hide	Yes
• Angle of rotation	No
Lists	
• Number of text lists per project	300
• Number of graphics lists per project	100
Archiving	
• Number of archives per device	0
• Number of measuring points per project	0
• Number of entries per archive	0
• Message archive	No
• Process value archive	No
• Archiving methods	
— Sequential archive	No
— Short-term archive	No
• Memory location	
— PC card	No
— CF card	No
— USB memory	No
— Ethernet	No
• Data storage format	
— CSV	No
— TXT	No
• Online evaluation	
— using trend curves	No
Filters	
• cyclic	No
• Tolerance	No
• Change	No
Security	

• Number of user groups	10
• Number of users	32
• Password export/import	Yes
Data carrier support	
• PC card	No
• CF card	Yes
• Diskette drive	No
• Hard disk	No
• CD-ROM	No
Logging through printer	
• Recording/Printing	Alarms, report (shift report), color print
Transfer (upload/download)	
• Transfer of configuration	MPI/PROFIBUS DP, serial, automatic transfer recognition
Process coupling	
• Connection to controller	S5, S7-200, S7- 300/400, TI 505, Win AC, SINUMERIK, SIMOTION, Allen Bradley (DF1), Allen Bradley (DF485), Mitsubishi (FX), OMRON (LINK/Multilink), Modicon (Modbus), weitere Fremdtreiber siehe Kapitel "Systemkopplungen"
• 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	No
• SINUMERIK	Yes
• SIMOTION	Yes
• S5	Yes
— serial	Yes
— PROFIBUS DP	Yes
• TI 505	Yes
• Allen Bradley (DF1)	Yes
• Allen Bradley (DF485)	Yes
• Mitsubishi (FX)	Yes
• Mitsubishi (MP4)	Yes
• Telemecanique (ADJUST)	No
• Telemecanique (Uni-Telway)	No
• OMRON (FINS TCP)	Yes
• OMRON (LINK/Multilink)	Yes
• Modicon (Modbus)	Yes

• GE-Fanuc (SNP)	Yes
Functions	
• Key repeat	No
• TAB sequence	Yes
• Calculating functions	Yes
• Animate	Yes
• Menu tree editor	No
• Unit switchover	No
Service tools/configuration aids	
• Clean screen	No
• Touch calibration	Yes
• Backup/Restore manually	Yes
• Simulation	Yes
• Device switchover	Yes
• Delta transfer	Yes
• Monitoring function for battery and memory	Yes
• Trace (operation archive)	No
Expandability/openness	
• Open Platform Program	Yes
Peripherals/Options	
Peripherals	Printer
• Printer	Yes
• SIMATIC HMI MM memory card: Multi Media Card	No
• SIMATIC HMI SD memory card: Secure Digital memory card	No
• USB memory	No
Mechanics/material	
Type of housing (front)	plastic
Dimensions	
Enclosure diameter	245 mm
Depth of housing	58 mm
Weights	
Weight (without packaging)	1.3 kg
Other	
free hotline	Yes
Warranty period	1 y
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