SIEMENS

Data sheet

SIMATIC HMI KP1500 Comfort, Comfort Panel, key operation, 15" widescreen TFT display, 16 million colors, PROFINET interface, MPI/PROFIBUS DP interface, 24 MB configuration memory, WEC 2013, configurable from WinCC Comfort V14 SP1 with HSP



Product type designation KP1500 Comfort Display Design of display Screen diagonal Display width Display height Display width Display height Display width Display height	General information	
Design of display	Product type designation	KP1500 Comfort
Screen diagonal 15.4 in Display width 331.2 mm Display height 207 mm Number of colors 16.777.216 Resolution (pixels) • Horizontal image resolution 800 pixel 800 p	Display	
Screen diagonal 15.4 in Display width 331.2 mm Display height 207 mm Number of colors 16.777.216 Resolution (pixels) • Horizontal image resolution 800 pixel 800 p	Design of display	TFT
Display height Number of colors		15.4 in
Resolution (pixels) - Horizontal image resolution - Vertical image resolution - Vertical image resolution - With Facklighting (at 25 °C) - Backlighting - With Facklighting (at 25 °C) - Backlighting (at 25 °C) - Backlight dimmable - Ves; LED, dimmable Control elements Keyboard fonts - Function keys - Number of function keys - Number of function keys - Number of function keys with LEDs - System keys - Ves - System keys - Numeric keyboard - Installation store or	Display width	331.2 mm
Resolution (pixels) Horizontal image resolution 800 pixel	Display height	207 mm
 Horizontal image resolution Vertical image resolution 800 pixel Backlighting MTBF backlighting (at 25 °C) 80 000 h Backlight dimmable Yes; LED, dimmable Control elements Keyboard fonts Function keys Number of function keys with LEDs Keys with LED Yes System keys Numeric keyboard Pes Numeric keyboard Yes alphanumeric keyboard Pes Touch operation Design as touch screen Expansions for operator control of the process DP direct LEDs (LEDs as S7 output I/O) — F1Fx Direct keys (keys as S7 input I/O) — F1Fx Direct keys (keys as S7 input I/O) — F1Fx Mounting position Mounting position Mounting in landscape format possible Mounting in landscape format possible Mounting in permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) 19.2 V 	Number of colors	16 777 216
• Vertical image resolution 800 pixel Backlighting • MTBF backlighting (at 25 °C) 80 000 h • Backlight dimmable Yes; LED, dimmable Control elements Keyboard fonts • Function keys — Number of function keys 36 — Number of function keys with LEDs 36 • Keys with LED Yes • System keys Yes • Numeric keyboard Yes • alphanumeric keyboard Yes • alphanumeric keyboard Yes Touch operation • Design as touch screen No; without Expansions for operator control of the process • DP direct LEDs (LEDs as \$7 output I/O) — F1Fx 36 Installation type/mounting Mounting position Vertical Mounting in portrait format possible No Mounting in landscape format possible No Mounting in landscape format possible Yes maximum permissible angle of inclination without external eventlation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) 19.2 V		
Backlighting MTBF backlighting (at 25 °C) Backlight dimmable Control elements Keyboard fonts Function keys Number of function keys Number of function keys with LEDs System keys Numeric keyboard Alphanumeric keyboard Alphanumeric keyboard Pesign as touch screen Expansions for operator control of the process Direct LEDs (LEDs as S7 output I/O) F1Fx Direct keys (keys as S7 input I/O) F1Fx Solinest keys (keys as S7 input I/O) F1Fx Mounting in portrat format possible Mounting in landscape format possible Mounting in portrat format possible No Mounting position Mounting in portrat format possible No Mounting in portrat format possible No Mounting in portrat format possible DC At V4 Pes Manuel Ada Value DC P1. P2 V	 Horizontal image resolution 	1 280 pixel
MTBF backlighting (at 25 °C) Backlight dimmable Yes; LED, dimmable Control elements Keyboard fonts Function keys Number of function keys Number of function keys System keys Numeric keyboard Alphanumeric keyboard Alph		800 pixel
Backlight dimmable Control elements Keyboard fonts Function keys - Number of function keys 36 - Number of function keys with LEDs 36 Keys with LED Yes System keys Yes Numeric keyboard Yes Installation type/mounting Mounting in portrait format possible Mounting in portrait format possible angle of inclination without external ventilation Supply voltage Red Ves; LED, dimmable Yes; LED, dimmable Yes 36 No; without Expansions for operation No; without Expansions for operator control of the process DP direct LEDs (LEDs as S7 output I/O) -F1Fx 36 Installation type/mounting Mounting in portrait format possible Moun		
Control elements		80 000 h
Function keys		Yes; LED, dimmable
Function keys - Number of function keys - Number of function keys with LEDs 6 Keys with LED Yes • System keys Numeric keyboard • alphanumeric keyboard • Design as touch screen Expansions for operator control of the process • DP direct LEDs (LEDs as S7 output I/O) - F1Fx 36 • Direct keys (keys as S7 input I/O) - F1Fx 36 Installation type/mounting Mounting in portrait format possible Mounting in portrait format possible Mounting in landscape format possible maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) 19.2 V	Control elements	
Number of function keys 36 Number of function keys with LEDs 36 Keys with LED Yes System keys Numeric keyboard Yes Numeric keyboard Yes Alphanumeric keyboard Yes Alphanumeric keyboard Yes Alphanumeric keyboard Yes Alphanumeric keyboard Yes Touch operation Design as touch screen No; without Expansions for operator control of the process DP direct LEDs (LEDs as S7 output I/O) F1Fx 36 Direct keys (keys as S7 input I/O) F1Fx 36 Installation type/mounting Mounting position vertical Mounting in portrait format possible No Mounting in landscape format possible Yes maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) 19.2 V	Keyboard fonts	
- Number of function keys with LEDs • Keys with LED • System keys • Numeric keyboard • alphanumeric keyboard • Design as touch screen • Design as touch screen Expansions for operator control of the process • DP direct LEDs (LEDs as S7 output I/O) - F1Fx • Direct keys (keys as S7 input I/O) - F1Fx 36 Installation type/mounting Mounting position Mounting in landscape format possible maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) 7es Yes 36 No Vertical No No Supply voltage PC Rated value (DC) permissible range, lower limit (DC) 19.2 V	Function keys	
Keys with LED System keys System keys Numeric keyboard Yes alphanumeric keyboard Yes Touch operation Design as touch screen No; without Expansions for operator control of the process DP direct LEDs (LEDs as S7 output I/O) —F1Fx 36 Direct keys (keys as S7 input I/O) —F1Fx 36 Installation type/mounting Mounting position Mounting in portrait format possible Mounting in landscape format possible maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) Yes Yes Yes Yes 36 No No No Supply voltage DC Rated value (DC) 24 V Permissible range, lower limit (DC) 19.2 V		36
System keys Numeric keyboard Yes Alphanumeric keyboard Yes Touch operation Design as touch screen Expansions for operator control of the process Pp direct LEDs (LEDs as S7 output I/O) —F1Fx Solumetric keys (keys as S7 input I/O) —F1Fx Solumetric keys (keys as S7 input I/O) —F1Fx Mounting position Mounting in portrait format possible Mounting in landscape format possible No Mounting in lands	 Number of function keys with LEDs 	36
Numeric keyboard Installation type/mounting Mounting in landscape format possible maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) Insulation type/mounting Yes Yes Yes Yes Yes No; without Yes 36 No; without Asa Vertical No Asa Vertical No Vertical No Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) 19.2 V	 Keys with LED 	Yes
alphanumeric keyboard Touch operation Design as touch screen No; without Expansions for operator control of the process DP direct LEDs (LEDs as S7 output I/O) —F1Fx 36 Direct keys (keys as S7 input I/O) —F1Fx 36 Installation type/mounting Mounting position Mounting in portrait format possible Mounting in landscape format possible maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) No; without Supply voltage No; without No; without Sa6 Vertical No Vertical No Supply voltage DC Rated value (DC) permissible range, lower limit (DC) 19.2 V	System keys	Yes
Touch operation	 Numeric keyboard 	Yes
Design as touch screen No; without Expansions for operator control of the process DP direct LEDs (LEDs as S7 output I/O) —F1Fx 36 Direct keys (keys as S7 input I/O) —F1Fx 36 Installation type/mounting Mounting position vertical Mounting in portrait format possible Mounting in landscape format possible maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) No; without Vertical No Supply voltage DC Rated value (DC) 19.2 V		Yes
Expansions for operator control of the process • DP direct LEDs (LEDs as S7 output I/O) —F1Fx • Direct keys (keys as S7 input I/O) —F1Fx 36 Installation type/mounting Mounting position Mounting in portrait format possible Mounting in landscape format possible maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) DC 19.2 V	Touch operation	
DP direct LEDs (LEDs as S7 output I/O) —F1Fx 36 Direct keys (keys as S7 input I/O) —F1Fx 36 Installation type/mounting Mounting position vertical Mounting in portrait format possible Mounting in landscape format possible maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) DC 19.2 V	,	No; without
- F1Fx ● Direct keys (keys as S7 input I/O) - F1Fx 36 Installation type/mounting Mounting position Mounting in portrait format possible Mounting in landscape format possible maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) 36 Vertical No Yes 35° Vertical No Supply voltage Type of supply voltage PC Rated value (DC) permissible range, lower limit (DC) 19.2 V		
Direct keys (keys as S7 input I/O) — F1Fx Installation type/mounting Mounting position Mounting in portrait format possible Mounting in landscape format possible maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) Supply voltage DC Rated value (DC) 19.2 V	 DP direct LEDs (LEDs as S7 output I/O) 	
Installation type/mounting Mounting position Mounting in portrait format possible Mounting in landscape format possible maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) 36 No No Yes 35° Yes 35° DC 24 V permissible range, lower limit (DC) 19.2 V		36
Installation type/mounting Mounting position Mounting in portrait format possible Mounting in landscape format possible maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) Vertical No Yes 35° Yes 35° DC 24 V Permissible range, lower limit (DC) 19.2 V		
Mounting position Mounting in portrait format possible Mounting in landscape format possible maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) Vertical No Yes 35° Vertical No Yes 35° Ves 35° 24 V 19.2 V		36
Mounting in portrait format possible Mounting in landscape format possible maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) No Yes 35° DC 24 V 19.2 V	Installation type/mounting	
Mounting in landscape format possible Yes maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) Yes 35° DC 24 V 19.2 V	Mounting position	vertical
maximum permissible angle of inclination without external ventilation Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) 24 V 19.2 V		No
ventilation Supply voltage Type of supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V	Mounting in landscape format possible	Yes
Type of supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V		35°
Rated value (DC) permissible range, lower limit (DC) 24 V 19.2 V	Supply voltage	
permissible range, lower limit (DC) 19.2 V	Type of supply voltage	DC
	Rated value (DC)	24 V
permissible range, upper limit (DC) 28.8 V	permissible range, lower limit (DC)	19.2 V
	permissible range, upper limit (DC)	28.8 V

Input current	
Current consumption (rated value)	1.7 A
Starting current inrush I²t	0.5 A ² ·s
Power	
Active power input, typ.	41 W
	+1 VV
Processor	NA.
Processor type	X86
Memory	
Flash	Yes
RAM	Yes
Memory available for user data	24 Mbyte
Type of output	
Info LED	No
Power LED	No
Error LED	No
Acoustics	N.
Buzzer Species	No Voc
Speaker	Yes
Time of day	
Clock	V
Hardware clock (real-time)	Yes
Software clock	Yes
• retentive	Yes; Back-up duration typically 6 weeks Yes
synchronizable	155
Interfaces	
Number of industrial Ethernet interfaces	2; 2 ports (switch) + independent port
Number of RS 485 interfaces	1; RS 422 / 485 combined
Number of RS 422 interfaces	0
Number of RS 232 interfaces Number of USB interfaces	0
Number of 05B interfaces Number of 20 mA interfaces (TTY)	2; USB 2.0 0
Number of parallel interfaces	0
Number of other interfaces	0
Number of SD card slots	2
With software interfaces	No
Industrial Ethernet	
Industrial Ethernet status LED	3
 Number of ports of the integrated switch 	2
Protocols	
PROFINET	Yes
Supports protocol for PROFINET IO	Yes
IRT	Yes
PROFIBUS	Yes
EtherNet/IP	Yes
MPI	Yes
Protocols (Ethernet)	
• TCP/IP	Yes
• DHCP	Yes
• SNMP	Yes
• DCP	Yes
• LLDP	Yes
WEB characteristics	Ven
HTTP HTTPS	Yes Yes
• HTML	Yes
• XML	Yes
• CSS	Yes
• Active X	Yes
JavaScript	Yes
• Java VM	No
Redundancy mode	
Media redundancy	

— MRP	Yes
Further protocols	
• CAN	No
MODBUS	Yes
Interrupts/diagnostics/status information	
Diagnoses	
Diagnostic information readable	Yes; S7 controller
EMC	100, 07 0011101101
Emission of radio interference acc. to EN 55 011	
Limit class A, for use in industrial areas	Yes
Limit class A, for use in industrial areas Limit class B, for use in residential areas	No
Degree and class of protection	140
	IP65
IP (at the front)	IP20
IP (rear) NEMA (front)	IF20
Enclosure Type 4 at the front	Yes
Enclosure Type 4x at the front	Yes
Standards, approvals, certificates	
	Yes
CE mark cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
Use in hazardous areas	
ATEX Zone 2	Yes
ATEX Zone 22	Yes
• IECEx Zone 2	Yes
• IECEx Zone 22	Yes
• cULus Class I Zone 1	No
 cULus Class I Zone 2, Division 2 	Yes; For inscription on device rating plate
 cULus Class II Division 2 	No; Available soon
 FM Class I Division 2 	Yes; For inscription on device rating plate
FM Class II Division 2	No; Available soon
Marine approval	
 Germanischer Lloyd (GL) 	No
 American Bureau of Shipping (ABS) 	No
Bureau Veritas (BV)	No
Det Norske Veritas (DNV)	No
Korean Register of Shipping (KRS)	No
Lloyds Register of Shipping (LRS) Nigner (Giji Krakai (Class NK))	No
Nippon Kaiji Kyokai (Class NK) Polski Poisstr Statkov (PRS)	No No
Polski Rejestr Statkow (PRS) Chippen Classification Society (CCS)	No No
Chinese Classification Society (CCS) Ambient conditions	INO
Ambient conditions	
	V
Suited for indoor use	Yes
Suited for outdoor use	Yes No
Suited for outdoor use Ambient temperature during operation	
Suited for outdoor use Ambient temperature during operation Operation (vertical installation)	No
Suited for outdoor use Ambient temperature during operation Operation (vertical installation) — For vertical installation, min.	No 0 °C
Suited for outdoor use Ambient temperature during operation Operation (vertical installation) — For vertical installation, min. — For vertical installation, max.	No
Suited for outdoor use Ambient temperature during operation Operation (vertical installation) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle)	No 0 °C
Suited for outdoor use Ambient temperature during operation Operation (vertical installation) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle) — At maximum tilt angle, min.	0 °C 50 °C; (55 °C, see entry ID: 64847814)
Suited for outdoor use Ambient temperature during operation Operation (vertical installation) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle) — At maximum tilt angle, min. — At maximum tilt angle, max.	0 °C 50 °C; (55 °C, see entry ID: 64847814)
Suited for outdoor use Ambient temperature during operation Operation (vertical installation) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle) — At maximum tilt angle, min.	0 °C 50 °C; (55 °C, see entry ID: 64847814)
Suited for outdoor use Ambient temperature during operation Operation (vertical installation) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle) — At maximum tilt angle, min. — At maximum tilt angle, max. Operation (vertical installation, portrait format)	0 °C 50 °C; (55 °C, see entry ID: 64847814) 0 °C 40 °C
Suited for outdoor use Ambient temperature during operation Operation (vertical installation) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle) — At maximum tilt angle, min. — At maximum tilt angle, max. Operation (vertical installation, portrait format) — For vertical installation, min.	0 °C 50 °C; (55 °C, see entry ID: 64847814) 0 °C 40 °C
Suited for outdoor use Ambient temperature during operation Operation (vertical installation) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle) — At maximum tilt angle, min. — At maximum tilt angle, max. Operation (vertical installation, portrait format) — For vertical installation, min. — For vertical installation, max.	0 °C 50 °C; (55 °C, see entry ID: 64847814) 0 °C 40 °C
Suited for outdoor use Ambient temperature during operation Operation (vertical installation) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle) — At maximum tilt angle, min. — At maximum tilt angle, max. Operation (vertical installation, portrait format) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle, portrait format)	0 °C 50 °C; (55 °C, see entry ID: 64847814) 0 °C 40 °C 0 °C 40 °C
Suited for outdoor use Ambient temperature during operation Operation (vertical installation) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle) — At maximum tilt angle, min. — At maximum tilt angle, max. Operation (vertical installation, portrait format) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle, portrait format) — At maximum tilt angle, min.	0 °C 50 °C; (55 °C, see entry ID: 64847814) 0 °C 40 °C 0 °C 40 °C 0 °C 40 °C
Suited for outdoor use Ambient temperature during operation Operation (vertical installation) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle) — At maximum tilt angle, min. — At maximum tilt angle, max. Operation (vertical installation, portrait format) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle, portrait format) — At maximum tilt angle, min. — At maximum tilt angle, max.	0 °C 50 °C; (55 °C, see entry ID: 64847814) 0 °C 40 °C 0 °C 40 °C -20 °C
Suited for outdoor use Ambient temperature during operation Operation (vertical installation) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle) — At maximum tilt angle, min. — At maximum tilt angle, max. Operation (vertical installation, portrait format) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle, portrait format) — At maximum tilt angle, min. — At maximum tilt angle, max. Ambient temperature during storage/transportation	0 °C 50 °C; (55 °C, see entry ID: 64847814) 0 °C 40 °C 0 °C 40 °C 0 °C 40 °C

Operation, max.	90 %; no condensation
Operating systems	
proprietary	No
pre-installed operating system	
Windows CE	Yes; Windows Embedded Compact 2013
configuration / header	
Message indicator	Yes
Alarm system (incl. buffer and acknowledgment)	Yes
Process value display (output)	Yes
Process value default (input) possible	Yes
Recipe management	Yes
Configuration software	
 STEP 7 Basic (TIA Portal) 	No
 STEP 7 Professional (TIA Portal) 	No
 WinCC flexible Compact 	No
 WinCC flexible Standard 	No
 WinCC flexible Advanced 	No
WinCC Basic (TIA Portal)	No
WinCC Comfort (TIA Portal)	Yes; V14 SP1 HSP and higher
WinCC Advanced (TIA Portal)	Yes; V14 SP1 HSP and higher
WinCC Professional (TIA Portal)	Yes; V14 SP1 HSP and higher
Languages	
Online languages	00
Number of online/runtime languages	32
Project languages	00
Languages per project	32
Functionality under WinCC (TIA Portal)	
Libraries	Yes
Applications/options	
Web browser	Yes
Pocket Word	Yes
Pocket Excel PDE Visuses	Yes
PDF Viewer	Yes
Media Player SIMATIC Windows Small Sources	Yes
 SIMATIC WinCC Sm@rtServer SIMATIC WinCC Audit 	Yes
Number of Visual Basic Scripts	Yes Yes
Task planner	165
time-controlled	Yes
task-controlled	Yes
Message system	165
Number of alarm classes	32
Bit messages	
Number of bit messages	6 000
Analog messages	
Number of analog messages	200
S7 alarm number procedure	Yes
System messages HMI	Yes
• System event, more (SIMATIC S7, SINUMERIK, SIMOTION,)	Yes
 Number of characters per message 	80
 Number of process values per message 	8
 Acknowledgment groups 	Yes
Message indicator	Yes
Recipe management	
Number of recipes	500
Data records per recipe	1 000
Entries per data record	2 000
Size of internal recipe memory	4 Mbyte
Recipe memory expandable	Yes
Variables	4.000
Number of variables per device Number of variables per device	4 096
Number of variables per screen	400

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Limit values	Yes
 Multiplexing 	Yes
• Structures	Yes
• Arrays	Yes
Images	750
Number of configurable images	750
Permanent window/default Clabel image.	Yes
Global image	Yes
Pop-up images Slide in images	Yes Yes
Slide-in images Image selection by PLC	Yes
Image selection by PLCImage number in the PLC	Yes
Image runiber in the PLC	T CS
Number of objects per image	600
Text fields	Yes
• I/O fields	Yes
Graphic I/O fields (graphics list)	Yes
Symbolic I/O fields (text list)	Yes
Date/time fields	Yes
Switches	Yes
Buttons	Yes
Graphic display	Yes
• Icons	Yes
Geometric objects	Yes
Complex image objects	
Number of complex objects per screen	40
Alarm view	Yes
Trend view	Yes
User view	Yes
 Status/control 	Yes
 Sm@rtClient view 	Yes
Recipe view	Yes
f(x) trend view	Yes
 System diagnostics view 	Yes
Media Player	Yes
HTML browser	Yes
 PDF display 	Yes
IP camera display	Yes
Bar graphs	Yes
 Sliders 	Yes
 Pointer instruments 	Yes
Analog/digital clock	Yes
Lists	
Number of text lists per project	500
Number of entries per text list	500
Number of graphics lists per project	500
Number of entries per graphics list	500
Archiving	F0
Number of archives per device	50
Number of entries per archive Massage prohits	50 000
Message archive Presence value prohive	Yes
Process value archive Archiving methods	Yes
Archiving methods Sequential archive	Yes
— Sequential archive— Short-term archive	Yes
Memory location	165
Memory location Memory card	Yes
USB memory	Yes
— Ethernet	Yes
Data storage format	
— CSV	Yes
— TXT	Yes
— RDB	Yes
Security	

Number of user groups	50
 Number of user rights 	32
 Number of users 	50
 Password export/import 	Yes
SIMATIC Logon	Yes
Logging through printer	
Alarms	Yes
Report (shift log)	Yes
Hardcopy	Yes
Electronic print to file	Yes; PDF, HTML
Character sets	
Keyboard fonts	
— US English	Yes
Transfer (upload/download)	
MPI/PROFIBUS DP	Yes
• USB	Yes
• Ethernet	Yes
using external storage medium	Yes
Process coupling	165
• S7-1200	Yes
• S7-1200 • S7-1500	Yes
• S7-200	Yes
• S7-300/400	Yes
• LOGO!	Yes
WinAC	Yes
SINUMERIK	Yes; With SINUMERIK option package as from WinCC V15 or higher
• SIMOTION	Yes
 Allen Bradley (EtherNet/IP) 	Yes
Allen Bradley (DF1)	Yes
Mitsubishi (MC TCP/IP)	Yes
Mitsubishi (FX)	Yes
OMRON (FINS TCP)	No
OMRON (LINK/Multilink)	Yes
Modicon (Modbus TCP/IP)	Yes
,	
Modicon (Modbus) ODG HA Olivert	Yes
OPC UA Client	Yes
OPC UA Server	Yes
Service tools/configuration aids	
Backup/Restore manually	Yes
 Backup/Restore automatically 	Yes
 Simulation 	Yes
Device switchover	Yes
Peripherals/Options	
Printer	Yes
SIMATIC HMI MM memory card: Multi Media Card	Yes; Up to 128 MB
SIMATIC HMI SD memory card: Secure Digital memory	Yes; Up to 2 GB
card	
SIMATIC HMI CF memory card Compact Flash Card	No
USB memory	Yes
SIMATIC IPC USB Flashdrive (USB stick)	Yes; Up to 16 GB
SIMATIC HMI USB stick	Yes; Up to 8 GB
Network camera	Yes
Mechanics/material	
Enclosure material (front)	M
• Plastic	No
• Aluminum	Yes
Stainless steel	No
Dimensions	
Width of the housing front	483 mm
Height of housing front	310 mm
Mounting cutout, width	450 mm
Mounting cutout, water Mounting cutout, height	291 mm
woarning catout, neight	LOT HILL
Overall depth	75 mm

Weights 4.7 kg Weight (without packaging) 10/7/2021

last modified: