SIEMENS

Data sheet

6AV2124-0MC01-0AX0



SIMATIC HMI TP1200 Comfort, Comfort Panel, touch operation, 12" widescreen TFT display, 16 million colors, PROFINET interface, MPI/PROFIBUS DP interface, 12 MB configuration memory, Windows CE 6.0, configurable from WinCC Comfort V11

General information	
Product type designation	TP1200 Comfort
Display	
Design of display	TFT
Screen diagonal	12.1 in
Display width	261.1 mm
Display height	163.2 mm
Number of colors	16 777 216
Resolution (pixels)	
 Horizontal image resolution 	1 280 pixel
 Vertical image resolution 	800 pixel
Backlighting	
 MTBF backlighting (at 25 °C) 	80 000 h
 Backlight dimmable 	Yes; 0-100 %
Control elements	
Keyboard fonts	
 Function keys 	
 — Number of function keys 	0
 — Number of function keys with LEDs 	0
 Keys with LED 	No
 System keys 	No
Numeric keyboard	Yes; Onscreen keyboard
 alphanumeric keyboard 	Yes; Onscreen keyboard
Touch operation	
 Design as touch screen 	Yes
Expansions for operator control of the process	
 DP direct LEDs (LEDs as S7 output I/O) 	
— F1Fx	0
 Direct keys (keys as S7 input I/O) 	
— F1Fx	0
 Direct keys (touch buttons as S7 input I/O) 	40
Installation type/mounting	
Mounting position	vertical
Wall mounting/direct mounting	No
Mounting in portrait format possible	Yes
Mounting in landscape format possible	Yes
maximum permissible angle of inclination without external ventilation	35°

Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Input current	20.0 0
Current consumption (rated value)	0.85 A
Starting current inrush I ² t	0.5 A ² ·s
-	0.3 A 3
Power	00.144
Active power input, typ.	20 W
Memory	
Flash	Yes
RAM	Yes
Memory available for user data	12 Mbyte
Type of output	
Info LED	No
Power LED	No
Error LED	No
Acoustics	
• Buzzer	No
• Speaker	Yes
Time of day	
Clock	
 Hardware clock (real-time) 	Yes
Software clock	Yes
retentive	Yes; Back-up duration typically 6 weeks
synchronizable	Yes
Interfaces	
Number of industrial Ethernet interfaces	1; 2 ports (switch)
Number of RS 485 interfaces	1; RS 422 / 485 combined
Number of RS 485 interfaces Number of RS 422 interfaces	1; RS 422 / 485 combined 0; together with RS 485
Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces	1; RS 422 / 485 combined 0; together with RS 485 0
Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0
Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole
Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY)	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0
Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0
Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of other interfaces	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0
Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of SD card slots	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2
Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of other interfaces Number of SD card slots With software interfaces	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0
Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of SD card slots With software interfaces Industrial Ethernet	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 2 No
Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of SD card slots With software interfaces Industrial Ethernet • Industrial Ethernet status LED	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 No 2 2
Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of other interfaces Number of SD card slots With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 2 No
Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of other interfaces Number of SD card slots With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 No 2 2 2 2
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Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of other interfaces Number of SD card slots With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 0 0 2 No Yes Yes; As of WinCC V12 Yes
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Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of other interfaces Number of SD card slots With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • SNMP	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 0 0 0 0 0 0 0 0 0 2 No
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• HTTPS	Yes
• HTML	Yes
• XML	Yes
• CSS	Yes
Active X	Yes
 JavaScript 	Yes
• Java VM	No
Redundancy mode	
Media redundancy	
— MRP	Yes; As of WinCC V12
Further protocols	
• CAN	No
MODBUS	Yes
Interrupts/diagnostics/status information	
Diagnoses	
Diagnostic information readable	Yes; S7 controller
EMC	
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	
NEMA (front)	Vec
• Enclosure Type 4 at the front	Yes
Enclosure Type 4x at the front	Yes
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
Use in hazardous areas	
Use in hazardous areas • ATEX Zone 2	Yes
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22	Yes Yes
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2	Yes
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22	Yes Yes
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 1	Yes Yes Yes
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22	Yes Yes Yes
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 1 • cULus Class I Zone 2, Division 2 • FM Class I Division 2	Yes Yes Yes No
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 1 • cULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval	Yes Yes Yes No Yes
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 1 • cULus Class I Zone 2, Division 2 • FM Class I Division 2	Yes Yes Yes No Yes Yes Yes
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 1 • cULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval	Yes Yes Yes Yes No Yes Yes Yes Yes Yes; As of product version: 10 Yes; As of product version: 10
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 1 • cULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL)	Yes Yes Yes No Yes Yes Yes
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 22 • IECEx Zone 22 • cULus Class I Zone 1 • cULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS)	Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes; As of product version: 10 Yes; As of product version: 10
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 22 • IECEx Zone 22 • cULus Class I Zone 1 • cULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV)	Yes Yes Yes Yes No Yes Yes Yes Yes Yes; As of product version: 10 Yes; As of product version: 10 Yes; As of product version: 10
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 1 • cULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV)	Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes; As of product version: 10 Yes; As of product version: 10
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Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS)	Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Ambient conditions	Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Ambient conditions Ambient temperature during operation	Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Ambient conditions Ambient temperature during operation Operation (vertical installation)	Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Ambient conditions Ambient temperature during operation Operation (vertical installation) — For vertical installation, min.	Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes; As of product version: 10 Yes; As of product version: 10 No
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Ambient conditions Ambient temperature during operation Operation (vertical installation) — For vertical installation, min. — For vertical installation, max.	Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes; As of product version: 10 Yes; As of product version: 10 No
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Ambient conditions Ambient temperature during operation Operation (vertical installation) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle)	Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes O °C 50 °C; (55 °C, see entry ID: 64847814)
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Ambient conditions Ambient temperature during operation Operation (vertical installation) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle) — At maximum tilt angle, min.	Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes O °C 0 °C 50 °C; (55 °C, see entry ID: 64847814)
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Ambient conditions 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, min.	Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes O °C 0 °C 50 °C; (55 °C, see entry ID: 64847814)
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Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Ambient conditions Ambient temperature during operation Operation (vertical installation) - For vertical installation, min. - For vertical installation, max. Operation (max. tilt angle) - At maximum tilt angle, min. - For vertical installation, portrait format) - For vertical installation, min.	Yes Yes Yes No Yes Yes Yes Yes Yes Yes O *C O *C 40 *C O *C
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Ambient conditions Ambient temperature during operation Operation (vertical installation) — For vertical installation, min. — For vertical installation, max. Operation (max. tilt angle) — At maximum tilt angle, min. — For vertical installation, portrait format) — For vertical installation, max.	Yes Yes Yes No Yes Yes Yes Yes Yes Yes O *C O *C 40 *C O *C

At maximum tilt angle, min	35 °C
— At maximum tilt angle, min. Ambient temperature during storage/transportation	55 0
min.	-20 °C
• max.	-20°C
Relative humidity	
Operation, max.	90 %; no condensation
Operating systems	No
proprietary	No
pre-installed operating system Windows CE	Yes
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Configuration	Ver
Message indicator	Yes
Alarm system (incl. buffer and acknowledgment)	Yes
Process value display (output)	Yes
Process value default (input) possible	Yes
Recipe management	res
Configuration software	No
 STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) 	No
WinCC flexible Compact	No
WinCC flexible Compact WinCC flexible Standard	No
WinCC flexible Advanced	No
WinCC Basic (TIA Portal)	No
WinCC Comfort (TIA Portal)	Yes; from V11
WinCC Advanced (TIA Portal)	Yes; from V11
WinCC Professional (TIA Portal)	Yes; from V11
Languages	
Online languages	
Number of online/runtime languages	32
Project languages	52
Languages per project	32
Functionality under WinCC (TIA Portal)	52
Libraries	Yes
Applications/options	
Web browser	Yes
Pocket Word	Yes
Pocket Excel	Yes
PDF Viewer	Yes
Media Player	Yes
SIMATIC WinCC Sm@rtServer	Yes
SIMATIC WinCC Audit	Yes
Number of Visual Basic Scripts	Yes
Task planner	
• time-controlled	Yes
 task-controlled 	Yes
Help system	
 Number of characters per info text 	70
Message system	
Number of alarm classes	32
Bit messages	Yes
- Number of bit messages	4 000
 Analog messages 	Yes
 — Number of analog messages 	200
 S7 alarm number procedure 	Yes
 System messages HMI 	Yes
 System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.) 	Yes
Number of characters per message	80

Number of process values per message	8
Acknowledgment groups	Yes
Message indicator	Yes
Message buffer	4.004
— Number of entries	1 024
— Circulating buffer	Yes
— retentive	Yes
— maintenance-free	Yes
Recipe management	
Number of recipes	300
Data records per recipe	500
Entries per data record	1 000
Size of internal recipe memory	2 Mbyte
Recipe memory expandable	Yes
Variables	
 Number of variables per device 	2 048
 Number of variables per screen 	400
Limit values	Yes
Multiplexing	Yes
Structures	Yes
• Arrays	Yes
Images	
 Number of configurable images 	500
 Permanent window/default 	Yes
 Global image 	Yes
 Pop-up images 	Yes
Slide-in images	Yes
 Image selection by PLC 	Yes
Image number in the PLC	Yes
Image objects	
 Number of objects per image 	400
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 	20
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	
Number of archives per device	50
 Number of entries per archive 	20 000
Message archive	Yes
 Process value archive 	Yes
 Archiving methods 	
— Sequential archive	Yes
— Short-term archive	Yes
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	N
• S7-1200	Yes
• S7-1500	Yes
• S7-200	Yes
• S7-300/400	Yes
• LOGO!	Yes
• WinAC	
	Yes; with SINUMERIK option package Yes
SIMOTION	
Allen Bradley (EtherNet/IP)	Yes
Allen Bradley (DF1) Mitsubishi (MC TCP/IP)	Yes
Mitsubishi (MC TCP/IP)	Yes
Mitsubishi (FX) OMPON (FINS TOP)	Yes
OMRON (FINS TCP) OMRON (LINK/Multilipk)	No
OMRON (LINK/Multilink) Madiage (Madhug TCR/IP)	Yes
Modicon (Modbus TCP/IP)Modicon (Modbus)	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 card	Yes; Up to 2 GB
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)	
Plastic	No
Aluminum	Yes
Stainless steel	No
Dimensions	
Width of the housing front	330 mm
Height of housing front	241 mm
Mounting cutout, width	310 mm
Mounting cutout, height	221 mm
Overall depth	65 mm
Weights	
Weight without packaging	2.8 kg
Weight incl. packaging	3.5 kg
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