6AG1124-0GC13-2AX0





SIPLUS HMI TP700 Comfort Outdoor conformal coating -30 ... +60°C based on 6AV2124-0GC13-0AX0 . Comfort "Panel, Touch operation, 7""" widescreen TFT display, 16 million colors, PROFINET interfaces, MPI/PROFIBUS DP interface, 12 MB configuration memory, Windows CE 6.0, configurable as of WINCC Comfort V13 SP1, HSP

General information	
Product type designation	TP700 Comfort Outdoor
Display	
Design of display	TFT
Screen diagonal	7 in
Display width	152.4 mm
Display height	91.4 mm
Number of colors	16 777 216
Resolution (pixels)	
 Horizontal image resolution 	800 pixel
Vertical image resolution	480 pixel
Backlighting	
 MTBF backlighting (at 25 °C) 	50 000 h
 Backlight dimmable 	Yes; LED, can be dimmed manually or automatically
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; analog, resistive
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) 	32
Installation type/mounting	
Mounting position	vertical
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 V
	0.7.4
Current consumption (rated value)	0.7 A
Starting current inrush I²t	0.5 A ² ·s
Power	
Active power input, typ.	17 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	No
• retentive	Yes; Back-up duration typically 6 weeks
synchronizable	Yes
Interfaces	
Number of industrial Ethernet interfaces	2
Number of RS 485 interfaces	1; RS 422 / 485 combined
Number of RS 422 interfaces	1, NS 422 / 403 combined
Number of RS 232 interfaces	0
Number of USB interfaces	2; USB 2.0
USB Mini B	
	1; 5-pole
Number of 20 mA interfaces (TTY)	0
Number of parallel interfaces Number of other interfaces	0
	0
Number of SD card slots	2 No.
With software interfaces	No
Industrial Ethernet	2
Industrial Ethernet status LED	2
Number of ports of the integrated switch	2
Protocols	
PROFINET	Yes
Supports protocol for PROFINET IO	Yes
IRT	Yes
PROFIBUS	Yes
MPI	Yes
Protocols (Ethernet)	
• TCP/IP	Yes
• DHCP	Yes
• SNMP	Yes
• DCP	Yes
• LLDP	Yes
WEB characteristics	
• HTTP	Yes
• HTTPS	No

• HTML	Yes
• XML	No
• CSS	Yes
 Active X 	No
JavaScript	Yes
● Java VM	No
Redundancy mode	
Media redundancy	
— MRP	Yes
Further protocols	
• CAN	No
EtherNet/IP	Yes
• MODBUS	Yes
EMC	
Emission of radio interference acc. to EN 55 011	
Limit class A, for use in industrial areas	Yes
Limit class B, for use in residential areas	No
Degree and class of protection	
	IP66
IP (at the front) NEMA (front)	11 00
Enclosure Type 4 at the front	Yes
• •	
Enclosure Type 4x at the front Standards, approvals, cartificates.	Yes
Standards, approvals, certificates	
Marine approval	_
Compass working clearance	5 m
Ambient conditions	
Suited for indoor use	Yes
Suited for outdoor use	Yes; Powder-coated, UV resistant
Ambient temperature during operation	
 Operation (vertical installation) 	
 For vertical installation, min. 	-30 °C; = Tmin
 For vertical installation, max. 	60 °C; (55 °C, see entry ID: 64847814)
 Operation (max. tilt angle) 	
 At maximum tilt angle, min. 	-30 °C; = Tmin
 At maximum tilt angle, min. 	50 °C; = Tmax
 Operation (vertical installation, portrait format) 	
 For vertical installation, min. 	-30 °C; = Tmin
 For vertical installation, max. 	50 °C; = Tmax
 Operation (max. tilt angle, portrait format) 	
At maximum tilt angle, min.	-30 °C; = Tmin
— At maximum tilt angle, min.	45 °C; = Tmax
Ambient temperature during storage/transportation	
• min.	-30 °C
• max.	70 °C
Altitude during operation relating to sea level	
 Installation altitude above sea level, max. 	5 000 m
 Ambient air temperature-barometric pressure- altitude 	Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax -20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m)
Relative humidity	
With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation/frost (no commissioning when condensation present), vertical mounting position
Resistance	
Coolants and lubricants	
 Resistant to commercially available coolants and lubricants 	Yes; Incl. diesel and oil droplets in the air
Use in stationary industrial systems	
— to biologically active substances according to EN 60721-3-3	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request

 to chemically active substances according to EN 60721-3-3 	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
 to mechanically active substances according to EN 60721-3-3 	Yes; Class 3S4 incl. sand, dust, *
Use on ships/at sea	
— to biologically active substances according to EN 60721-3-6	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request
— to chemically active substances according to EN 60721-3-6	Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
 to mechanically active substances according to EN 60721-3-6 	Yes; Class 6S3 incl. sand, dust; *
Usage in industrial process technology	
Against chemically active substances acc. to EN 60654-4	Yes; Class 3 (excluding trichlorethylene)
 Environmental conditions for process, measuring and control systems acc. to ANSI/ISA- 71.04 	Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)
Remark	
 Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04 	* The supplied plug covers must remain in place over the unused interfaces during operation!
Conformal coating	
 Coatings for printed circuit board assemblies acc. to EN 61086 	Yes; Class 2 for high reliability
 Protection against fouling acc. to EN 60664-3 	Yes; Type 1 protection
 Military testing according to MIL-I-46058C, Amendment 7 	Yes; Discoloration of coating possible during service life
 Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A 	Yes; Conformal coating, Class A
Operating systems	
proprietary	No
pre-installed operating system	
pre-installed operating system • Windows CE	Yes
	Yes
Windows CE	Yes
Windows CE Configuration	
Windows CE Configuration Message indicator	Yes
Windows CE Configuration Message indicator Alarm system (incl. buffer and acknowledgment)	Yes Yes
Windows CE Configuration Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output)	Yes Yes Yes
Windows CE Configuration Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible	Yes Yes Yes Yes
Windows CE Configuration Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management	Yes Yes Yes Yes
Windows CE Configuration Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software	Yes Yes Yes Yes Yes Yes
Windows CE Configuration Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal)	Yes Yes Yes Yes Yes Yes No
Windows CE Configuration Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal)	Yes Yes Yes Yes Yes Yes No No
Windows CE Configuration Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact	Yes Yes Yes Yes Yes Yes No No No
Windows CE Configuration Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact WinCC flexible Standard WinCC Basic (TIA Portal)	Yes Yes Yes Yes Yes You No
Windows CE Configuration Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact WinCC flexible Standard WinCC flexible Advanced WinCC Basic (TIA Portal) WinCC Comfort (TIA Portal)	Yes Yes Yes Yes Yes You No
Windows CE Configuration Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact WinCC flexible Standard WinCC flexible Advanced WinCC Basic (TIA Portal) WinCC Comfort (TIA Portal) WinCC Advanced (TIA Portal)	Yes Yes Yes Yes Yes Yes No No No No No No No No No Yes Yes
Windows CE Configuration Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact WinCC flexible Standard WinCC flexible Advanced WinCC Basic (TIA Portal) WinCC Comfort (TIA Portal)	Yes Yes Yes Yes Yes You No
Windows CE Configuration Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact WinCC flexible Standard WinCC flexible Advanced WinCC Basic (TIA Portal) WinCC Comfort (TIA Portal) WinCC Advanced (TIA Portal)	Yes Yes Yes Yes Yes Yes No No No No No No No No No Yes Yes
Windows CE Configuration Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact WinCC flexible Standard WinCC flexible Advanced WinCC Basic (TIA Portal) WinCC Comfort (TIA Portal) WinCC Advanced (TIA Portal) WinCC Professional (TIA Portal)	Yes Yes Yes Yes Yes Yes No No No No No No No Yes Yes Yes Yes
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Windows CE Configuration Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact WinCC flexible Standard WinCC flexible Advanced WinCC Basic (TIA Portal) WinCC Advanced (TIA Portal) WinCC Advanced (TIA Portal) WinCC Professional (TIA Portal) WinCC Professional (TIA Portal) WinCC Professional (TIA Portal) WinCC Professional (TIA Portal) WinCC Professional (TIA Portal) Languages Online languages Project languages	Yes Yes Yes Yes Yes Yes No No No No No No Yes Yes Yes Yes
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PDF Viewer Medial Paleyer Medial Paleyer SIMATIC WinCC Sm@rtServer SIMATIC WinCC Audit Yes SIMATIC WinCC Audit Yes Number of Visual Basic Scripts Task planner Itime-controlled Yes task-controlled Yes Number of characters per info text Number of characters per info text Number of characters per info text Number of bit messages Number of said pressages Number of said pressages said pressage Number of process values per message Number of entries Number of variables per device Number of variables per device Number of variables per screen Number of variables	Media Player SIMATIC WinCC Sm@rtServer SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner time-controlled	Yes Yes
SIMATIC WINCC Audit	SIMATIC WinCC Sm@rtServer SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner time-controlled	Yes
◆ SIMATIC WinCC Audit Yes Number of Visual Basic Scripts Yes Task planner • time-controlled • task-controlled Yes Help system • Number of characters per info text 70 Message system • Number of alam classes 32 • Number of bit messages 4 000 • Analog messages — Number of bit messages — 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 indicator Yes • Message buffer — Number of entries 1 024 — Circulating buffer Yes — retentive Yes — maintenance-free Yes Recipe management • Number of recipes 300 • Data records per recipe <td< td=""><td>SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner time-controlled</td><td></td></td<>	SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner time-controlled	
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• task-controlled		
Number of characters per info text	task-controlled	Yes
Number of characters per info text 70 Message system 32 • Bit messages 4 000 • Analog messages 4 000 • Analog messages 200 • S7 alarm number procedure Yes • System messages, HMI Yes • System messages, other (SIMATIC S7, Sinumerik, Simolon, etc.) Yes • Number of characters per message 80 • Number of process values per message 8 • Acknowledgment groups Yes • Message indicator Yes • Message buffer 1 024 — Circulating buffer Yes — retentive Yes — retentive Yes — maintenance-free Yes Recipe management 1 000 • Size of internal recipe memory 2 Mbyte • Entries per data record 1 000 • Size of internal recipe memory 2 Mbyte • Recipe memory expandable Yes Variables • Number of variables per screen 400 • Limit values Yes • Arrays		Yes
● Number of alarm classes 32 ● Bit messages 4 000 ● Analog messages 200 — 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 1 024 — Circulating buffer Yes — retentive Yes — maintenance-free Yes Recipe management 1 000 • 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 screen 400 • Limit values Yes • Multiplexing Yes • Arrays Yes	Help system	
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 S7 alarm number procedure System messages HMI System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.) Number of characters per message Number of process values per message Acknowledgment groups Message indicator Message buffer Number of entries Number of entries Circulating buffer retentive maintenance-free Number of recipes Data records per recipe Entries per data record Size of internal recipe memory Recipe memory expandable Recipe memory expandable Yes Variables Number of variables per device Number of variables per screen Multiplexing Structures Arrays Yes 	 Analog messages 	
System messages HMI System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.) Number of characters per message Number of process values per message Acknowledgment groups Message indicator Message buffer Number of entries Circulating buffer Number of ercipes Mesidenter Mescipe management Number of recipes Structures Number of variables per device Arrays Pes 80 80 80 80 80 80 80 80 80 8	 Number of analog messages 	200
 System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.) Number of characters per message Number of process values per message Acknowledgment groups Message indicator Message buffer Number of entries 1 024 Circulating buffer retentive maintenance-free Yes Recipe management Number of recipes Data records per recipe Entries per data record Size of internal recipe memory Recipe memory expandable Number of variables per screen Number of variables per screen Multiplexing Structures Arrays Yes Arrays 	 S7 alarm number procedure 	Yes
 System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.) Number of characters per message Number of process values per message Acknowledgment groups Message indicator Message buffer Number of entries 1 024 Circulating buffer retentive maintenance-free Yes Recipe management Number of recipes Data records per recipe Entries per data record Size of internal recipe memory Recipe memory expandable Number of variables per screen Number of variables per screen Multiplexing Structures Arrays Yes Arrays 	System messages HMI	Yes
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Circulating buffer Yes retentive Yes maintenance-free Yes Recipe management In Number of recipes 300 In Data records per recipe 500 In Entries per data record 1000 In Size of internal recipe memory 2 Mbyte In Recipe memory expandable Yes Variables In Number of variables per device 2 048 In Number of variables per screen 400 It Limit values Yes Multiplexing Yes It Structures	Message buffer	
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maintenance-free Yes Recipe management Number of recipes 300 Data records per recipe 500 Entries per data record 1000 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	 Circulating buffer 	Yes
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 Number of recipes Data records per recipe Entries per data record Size of internal recipe memory Recipe memory expandable Yes Variables Number of variables per device Number of variables per screen Limit values Multiplexing Structures Arrays 300 500 400 Yes Structures Yes 	— maintenance-free	Yes
 Number of recipes Data records per recipe Entries per data record Size of internal recipe memory Recipe memory expandable Yes Variables Number of variables per device Number of variables per screen Limit values Multiplexing Structures Arrays 300 500 400 Yes Structures Yes 	Recipe management	
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Variables • Number of variables per device 2 048 • Number of variables per screen 400 • Limit values Yes • Multiplexing Yes • Structures Yes • Arrays Yes		·
 Number of variables per screen Limit values Multiplexing Structures Arrays Yes 		
 Number of variables per screen Limit values Multiplexing Structures Arrays Yes 		2 048
 Limit values Multiplexing Structures Arrays Yes Yes Yes Yes 	Number of variables per device	
 Multiplexing Structures Arrays Yes Yes 		
StructuresArraysYesYes	 Number of variables per screen 	400
• Arrays Yes	Number of variables per screenLimit values	400 Yes
•	Number of variables per screenLimit valuesMultiplexing	400 Yes Yes
	Number of variables per screenLimit valuesMultiplexingStructures	400 Yes Yes
	 Number of variables per screen Limit values Multiplexing Structures Arrays 	400 Yes Yes
	 Number of variables per screen Limit values Multiplexing Structures Arrays Images 	400 Yes Yes Yes Yes
	 Number of variables per screen Limit values Multiplexing Structures Arrays Images Number of configurable images 	400 Yes Yes Yes Yes You
	 Number of variables per screen Limit values Multiplexing Structures Arrays Images Number of configurable images Permanent window/default 	400 Yes Yes Yes Yes Yes Yes
	 Number of variables per screen Limit values Multiplexing Structures Arrays Images Number of configurable images Permanent window/default Global image 	400 Yes Yes Yes Yes Yes Yes 500 Yes Yes
	 Number of variables per screen Limit values Multiplexing Structures Arrays Images Number of configurable images Permanent window/default Global image Image selection by PLC 	400 Yes Yes Yes Yes Yes Yes Yes 500 Yes Yes Yes
	Number of variables per screen Limit values Multiplexing Structures Arrays Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC	400 Yes Yes Yes Yes Yes Yes 500 Yes Yes
	Number of variables per screen Limit values Multiplexing Structures Arrays Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC	400 Yes Yes Yes Yes Yes Yes Yes 500 Yes Yes Yes Yes Yes
	Number of variables per screen Limit values Multiplexing Structures Arrays Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects Number of objects per image	400 Yes Yes Yes Yes Yes Yes Yes 500 Yes Yes Yes Yes Yes Yes
	Number of variables per screen Limit values Multiplexing Structures Arrays Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects Number of objects per image Text fields	400 Yes Yes Yes Yes Yes 500 Yes Yes Yes Yes Yes Yes Yes Yes
	Number of variables per screen Limit values Multiplexing Structures Arrays Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects Number of objects per image Text fields I/O fields	400 Yes Yes Yes Yes Yes Yes 500 Yes Yes Yes Yes Yes Yes Yes Yes Yes
	Number of variables per screen Limit values Multiplexing Structures Arrays Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects Number of objects per image Text fields I/O fields Graphic I/O fields (graphics list)	400 Yes Yes Yes Yes Yes Yes 500 Yes
	 Number of variables per screen Limit values Multiplexing Structures Arrays Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects Number of objects per image Text fields I/O fields Graphic I/O fields (graphics list) Symbolic I/O fields (text list) 	400 Yes Yes Yes Yes Yes Yes 500 Yes
	 Number of variables per screen Limit values Multiplexing Structures Arrays Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects Number of objects per image Text fields I/O fields Graphic I/O fields (graphics list) Symbolic I/O fields (text list) Date/time fields 	400 Yes Yes Yes Yes Yes Yes 500 Yes
	 Number of variables per screen Limit values Multiplexing Structures Arrays Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects Number of objects per image Text fields I/O fields Graphic I/O fields (graphics list) Symbolic I/O fields (text list) Date/time fields Switches 	400 Yes Yes Yes Yes Yes Yes 500 Yes
	 Number of variables per screen Limit values Multiplexing Structures Arrays Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects Number of objects per image Text fields I/O fields Graphic I/O fields (graphics list) Symbolic I/O fields (text list) Date/time fields Switches Buttons 	400 Yes
• Icons Yes	 Number of variables per screen Limit values Multiplexing Structures Arrays Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects Number of objects per image Text fields I/O fields Graphic I/O fields (graphics list) Symbolic I/O fields (text list) Date/time fields Switches Buttons Graphic display 	400 Yes Yes Yes Yes Yes Yes 500 Yes

Geometric objects	Yes
Complex image objects	165
Number of complex objects per screen	20
Alarm view	Yes
Trend view	Yes
User view	Yes
Status/control	Yes
Sm@rtClient view	Yes
	Yes
Recipe viewf(x) trend view	Yes
System diagnostics view	Yes
Media Player	Yes
Bar graphs	Yes
Sliders	Yes
	Yes
Pointer instruments Analog/digital clock	Yes
Analog/digital clock Lists	res
Number of text lists per project	500
Number of text lists per project Number of entries per text list	500
Number of entities per text list Number of graphics lists per project	500
Number of graphics lists per project Number of entries per graphics list	500
Archiving	500
Number of archives per device	50
Number of arctives per device Number of entries per archive	20 000
	Yes
Message archiveProcess value archive	Yes
Archiving methods	165
Sequential archive	Yes
Sequential arctive — Short-term archive	Yes
	Tes
Memory location Memory cond	Yes
— Memory card	Yes
— USB memory	Yes
— Ethernet	tes
Data storage format— CSV	Voa
	Yes
— TXT	Yes
— RDB	Yes
Security • Number of user groups	E0
<u> </u>	50
Number of user rights	32
Number of users Password expert/import	50 Voc
Password export/import SIMATIC Logon	Yes
SIMATIC Logon Logging through printer	Yes
Logging through printer	Voc
Alarms Papert (chift log)	Yes
Report (shift log) Hardoon	Yes
Hardcopy Floatronia print to file	Yes
Electronic print to file Character sets.	Yes; PDF, HTML
Character sets	
Keyboard fonts LIS English	Vee
— US English	Yes
Transfer (upload/download)	Vee
MPI/PROFIBUS DP	Yes
• USB	Yes
• Ethernet	Yes
using external storage medium	Yes; Backup/restore
Process coupling	V
• S7-1200	Yes

• S7-1500	Yes
• S7-200	Yes
• S7-300/400	Yes
• LOGO!	Yes
• WinAC	Yes
SINUMERIK	Yes; with SINUMERIK option package
• 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)	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
SIMATIC HMI SD memory card: Secure Digital memory card	Yes
SIMATIC HMI CF memory card Compact Flash Card	No
USB memory	Yes
SIMATIC IPC USB Flashdrive (USB stick)	Yes
SIMATIC HMI USB stick	Yes
Network camera	Yes
Mechanics/material	
Enclosure material (front)	
Plastic	No
 Aluminum 	Yes; Powder-coated, UV resistant
Stainless steel	No
Dimensions	
Width of the housing front	214 mm
Height of housing front	158 mm
Mounting cutout, width	197 mm
Mounting cutout, height	141 mm
Overall depth	67 mm
Weights	
Weight without packaging	1.5 kg
Weight incl. packaging	1.7 kg

last modified:

1/16/2021