SIEMENS

Data sheet

6AV2124-0GC13-0AX0



SIMATIC HMI TP700 Comfort Outdoor, Comfort Panel, touch operation, 7" widescreen TFT display, 16 million colors, PROFINET interface, MPI/PROFIBUS DP interface, 12 MB configuration memory, Windows CE 6.0 (Microsoft support including security updates discontinued) configurable from WinCC Comfort V13 SP1, HSP

General information	
Product type designation	TP700 Comfort Outdoor
Display	
Design of display	TFT, bonded, daylight-readable
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

pormissible range lower limit (DC)	10.2 \/
permissible range, lower limit (DC)	19.2 V 28.8 V
permissible range, upper limit (DC) Input current	20.0 V
	0.7.4
Current consumption (rated value)	0.7 A 0.5 A²·s
Starting current inrush I²t Power	
	47.10/
Active power input, typ.	17 W
Processor	¥96
Processor type	X86
Memory	N
Flash	Yes
RAM Mamanu available for upor data	
Memory available for user data	12 Mbyte
Type of output	No
Info LED Power LED	No
Error LED	No
Acoustics	
Buzzer	No
Speaker	Yes
Time of day	
Clock	
Hardware clock (real-time)	Yes
Software clock (real-time)	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
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	0
Number of other interfaces	0
Number of SD card slots	2
With software interfaces	No
Industrial Ethernet	
 Industrial Ethernet status LED 	2
 Number of ports of the integrated switch 	2
Protocols	
PROFINET	Yes
Supports protocol for PROFINET IO	Yes
IRT	Yes; WinCC V13 SP1 HSP or higher
PROFIBUS	Yes
EtherNet/IP	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; WinCC V13 SP1 HSP or higher
Further protocols	
• CAN	No
• 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	
IP (at the front)	IP66
IP (rear)	IP20
NEMA (front)	
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	103
ATEX Zone 2	Yes; For inscription on device rating plate
ATEX Zone 22	Yes; For inscription on device rating plate
IECEx Zone 2	Yes; For inscription on device rating plate
IECEX Zone 2	
	Yes; For inscription on device rating plate No
cULus Class I Zone 1	
cULus Class I Zone 2, Division 2	Yes; For inscription on device rating plate
• FM Class I Division 2	Yes; For inscription on device rating plate
Marine approval	
Germanischer Lloyd (GL)	Yes
American Bureau of Shipping (ABS)	Yes
Bureau Veritas (BV)	Yes; in preparation
Det Norske Veritas (DNV)	Yes
Korean Register of Shipping (KRS)	No; in preparation
Lloyds Register of Shipping (LRS)	Yes
 Nippon Kaiji Kyokai (Class NK) 	Yes; in preparation
 Polski Rejestr Statkow (PRS) 	No
Chinese Classification Society (CCS)	Yes; in preparation
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
— For vertical installation, max.	60 °C; (55 °C, see entry ID: 64847814)
Operation (max. tilt angle)	
— At maximum tilt angle, min.	-30 °C
— At maximum tilt angle, max.	50 °C
Operation (vertical installation, portrait format)	
— For vertical installation, min.	-30 °C
— For vertical installation, max.	50 °C
Operation (max. tilt angle, portrait format)	
— At maximum tilt angle, min.	-30 °C
— At maximum tilt angle, max.	45 °C
Ambient temperature during storage/transportation	

• min.	-30 °C
• mm. • max.	-30 °C
Inax. Altitude during operation relating to sea level	
Installation altitude above sea level, max.	3 000 m; Depending on the operating temperature
Relative humidity	s doo m, bepending on the operating temperature
Operation, max.	90 %; no condensation
Operating systems	
proprietary	No
pre-installed operating system	
• Windows CE	Yes
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; WinCC V13 SP1 Update 7 + HSP or higher
WinCC Advanced (TIA Portal)	Yes; WinCC V13 SP1 Update 7 + HSP or higher
 WinCC Professional (TIA Portal) 	Yes; WinCC V13 SP1 Update 7 + HSP or higher
Languages	
Online languages	
 Number of online/runtime languages 	32
Project languages	
	30
 Languages per project 	32
Languages per project Functionality under WinCC (TIA Portal)	
	32 Yes
Functionality under WinCC (TIA Portal)	
Functionality under WinCC (TIA Portal) Libraries	
Functionality under WinCC (TIA Portal) Libraries Applications/options	Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser	Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word	Yes Yes Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player	Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer	Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit	Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts	Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner	Yes Yes Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled	Yes Yes Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled • task-controlled	Yes Yes Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled • task-controlled Help system	Yes Yes Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled • task-controlled Help system • Number of characters per info text	Yes Yes Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled • task-controlled Help system • Number of characters per info text Message system	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled • task-controlled Help system • Number of characters per info text Message system • Number of alarm classes	Yes Yes Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled • task-controlled Help system • Number of characters per info text Message system • Number of alarm classes • Bit messages	Yes Yes Yes Yes Yes Yes Yes Yes 70
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled • task-controlled Help system • Number of characters per info text Message system • Number of alarm classes • Bit messages — Number of bit messages	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled • task-controlled Help system • Number of characters per info text Message system • Number of alarm classes • Bit messages - Number of bit messages • Analog messages	Yes 70 32 4 000
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled • task-controlled Help system • Number of characters per info text Message system • Number of alarm classes • Bit messages - Number of bit messages - Number of analog messages - Number of analog messages	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yas Yes Yes Yos Yes Yes Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled • task-controlled Help system • Number of characters per info text Message system • Number of alarm classes • Bit messages - Number of bit messages • Analog messages - Number of analog messages • S7 alarm number procedure	Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled • task-controlled Help system • Number of characters per info text Message system • Number of bit messages - Number of bit messages - Number of analog messages • S7 alarm number procedure • System messages HMI	Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled • task-controlled Help system • Number of characters per info text Message system • Number of alarm classes • Bit messages - Number of bit messages - Number of analog messages - Number of analog messages • S7 alarm number procedure • System messages HMI • System event, more (SIMATIC S7, SINUMERIK,	Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled • task-controlled Help system • Number of characters per info text Message system • Number of alarm classes • Bit messages - Number of bit messages • Analog messages • System messages HMI • System event, more (SIMATIC S7, SINUMERIK, SIMOTION,)	Yes Y
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled • task-controlled Help system • Number of characters per info text Message system • Number of alarm classes • Bit messages - Number of bit messages - Number of analog messages • System messages HMI • System event, more (SIMATIC S7, SINUMERIK, SIMOTION,) • Number of characters per message	Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled • task-controlled Help system • Number of characters per info text Message system • Number of alarm classes • Bit messages — Number of bit messages — Number of analog messages • System messages HMI • System event, more (SIMATIC S7, SINUMERIK, SIMOTION,) • Number of characters per message	Yes S0 8
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer • SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner • time-controlled • task-controlled Help system • Number of characters per info text Message system • Number of alarm classes • Bit messages - Number of bit messages - Number of analog messages • System messages HMI • System event, more (SIMATIC S7, SINUMERIK, SIMOTION,) • Number of characters per message	Yes 70 32 4 000 200 Yes 80

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	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	F00
Number of configurable images	500
Permanent window/default	Yes
Global image	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	00
Number of complex objects per screen	20
• Alarm view	Yes
Trend view	Yes
User view Status/control	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; Webcam type see FAQs
Bar graphs Sliders	Yes
Sliders Deinter instrumente	Yes
Pointer instruments Analog/digital clock	Yes
Analog/digital clock	Yes
Lists	500
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	50
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; Backup/restore
Process coupling	
Process coupling • S7-1200	
• S7-1200	Yes
• S7-1200 • S7-1500	Yes Yes
• S7-1200 • S7-1500 • S7-200	Yes Yes Yes
 S7-1200 S7-1500 S7-200 S7-300/400 	Yes Yes Yes Yes
• S7-1200 • S7-1500 • S7-200 • S7-300/400 • LOGO!	Yes Yes Yes Yes Yes
• S7-1200 • S7-1500 • S7-200 • S7-300/400 • LOGO! • WinAC	Yes Yes Yes Yes Yes
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK 	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION 	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) 	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) 	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) 	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) 	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) 	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SINOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) 	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) 	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Client 	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Client OPC UA Server 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Client OPC UA Server 	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Client OPC UA Server Service tools/configuration aids	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Client OPC UA Server Service tools/configuration aids Backup/Restore manually Backup/Restore automatically 	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Client OPC UA Server Service tools/configuration aids Backup/Restore manually Backup/Restore automatically Simulation 	Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SINOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Client OPC UA Server Service tools/configuration aids Backup/Restore manually Backup/Restore automatically Simulation Device switchover 	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Client OPC UA Server Service tools/configuration aids Backup/Restore manually Backup/Restore automatically Simulation Device switchover 	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Client OPC UA Server Service tools/configuration aids Backup/Restore automatically Simulation Device switchover Printer	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes
 S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Client OPC UA Server Service tools/configuration aids Backup/Restore manually Backup/Restore automatically Simulation Device switchover 	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye

SIMATIC HMI CF memory card Compact Flash Card	No
USB memory	Yes; e.g. USB RFID reader, see FAQ entry ID: 99808171
SIMATIC IPC USB Flashdrive (USB stick)	Yes
SIMATIC HMI USB stick	Yes
Network camera	Yes; See FAQ Entry ID: 62383298 and entry ID: 65647473
Accessories	
Expansion module	Optional e.g. USB RFID reader, see FAQ entry ID: 99808171
Further accessories are available	Yes; Mounting clips and 2-pin power supply connector
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 (with packaging)	1.7 kg
Other	
Note:	Power, quantity structure and performance correspond to a standard 7" Comfort Panel

last modified:

8/8/2024 🖸