## **SIEMENS**

## **Data sheet**



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)	
<ul> <li>Horizontal image resolution</li> </ul>	800 pixel
Vertical image resolution	480 pixel
Backlighting	
<ul> <li>MTBF backlighting (at 25 °C)</li> </ul>	50 000 h
<ul> <li>Backlight dimmable</li> </ul>	Yes; LED, can be dimmed manually or automatically
Control elements	
Keyboard fonts	
<ul> <li>Function keys</li> </ul>	
<ul> <li>Number of function keys</li> </ul>	0
<ul> <li>Number of function keys with LEDs</li> </ul>	0
<ul> <li>Keys with LED</li> </ul>	No
<ul> <li>System keys</li> </ul>	No
<ul> <li>Numeric keyboard</li> </ul>	Yes; Onscreen keyboard
alphanumeric keyboard	Yes; Onscreen keyboard
Touch operation	
Design as touch screen	Yes; Analog-resistive
Expansions for operator control of the process	
<ul> <li>DP direct LEDs (LEDs as S7 output I/O)</li> </ul>	
— F1Fx	0
<ul> <li>Direct keys (keys as S7 input I/O)</li> </ul>	
— 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

	2424
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption (rated value)	0.7 A
Starting current inrush I²t	0.5 A <sup>2</sup> ·s
Power	
Active power input, typ.	17 W
Processor	
Processor type	X86
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	100
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
<ul> <li>Number of ports of the integrated switch</li> </ul>	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
<ul> <li>Active X</li> </ul>	No
<ul> <li>JavaScript</li> </ul>	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
<ul> <li>Limit class B, for use in residential areas</li> </ul>	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
	Yes
RCM (formerly C-TICK)	Yes
KC approval Use in hazardous areas	165
	Voc. For inscription on device rating plate
<ul><li>ATEX Zone 2</li><li>ATEX Zone 22</li></ul>	Yes; For inscription on device rating plate
	Yes; For inscription on device rating plate
• IECEx Zone 2	Yes; For inscription on device rating plate
• IECEx Zone 22	Yes; For inscription on device rating plate
• cULus Class I Zone 1	No
• 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	N/
Germanischer Lloyd (GL)	Yes
American Bureau of Shipping (ABS)	Yes
Bureau Veritas (BV)	Yes; Available soon
Det Norske Veritas (DNV)	Yes
Korean Register of Shipping (KRS)      Newdo Positors of Shipping (KRS)	No; Available soon
Lloyds Register of Shipping (LRS)  Nigram (Gill Kunksi (Olana NK))	Yes
Nippon Kaiji Kyokai (Class NK)     Nippon Kaiji Kyokai (Class NK)	Yes; Available soon
Polski Rejestr Statkow (PRS)	No A TILL
Chinese Classification Society (CCS)	Yes; Available soon
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)	
<ul><li>For vertical installation, min.</li></ul>	-30 °C
— For vertical installation, max.	60 °C; (55 °C, see entry ID: 64847814)
Operation (max. tilt angle)	
<ul> <li>At maximum tilt angle, min.</li> </ul>	-30 °C
— At maximum tilt angle, max.	50 °C
Operation (vertical installation, portrait format)	
<ul><li>For vertical installation, min.</li></ul>	-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, min.      — At maximum tilt angle, max.	45 °C
All maximum tilt angle, max.  Ambient temperature during storage/transportation	
min.	-30 °C
	70 °C
Max.  Altitude during eneration relating to see level.	70 C
Altitude during operation relating to sea level	2 000 m. Dananding on the apprehing temperature
Installation altitude above sea level, max.  Polatica by miditary	3 000 m; Depending on the operating temperature
Relative humidity	00.0/
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 Dasic (TAT ortal)     WinCC Comfort (TIA Portal)	Yes; WinCC V13 SP1 Update 7 + HSP or higher
Wincc common (TIA Portal)     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	
Project languages  • Languages per project	32
Project languages	
Project languages  • Languages per project	
Project languages  • Languages per project  Functionality under WinCC (TIA Portal)	32
Project languages  • Languages per project  Functionality under WinCC (TIA Portal)  Libraries	32
Project languages  • Languages per project  Functionality under WinCC (TIA Portal)  Libraries  Applications/options	32 Yes
Project languages  • Languages per project  Functionality under WinCC (TIA Portal)  Libraries  Applications/options  • Web browser	32 Yes Yes
Project languages  • Languages per project  Functionality under WinCC (TIA Portal)  Libraries  Applications/options  • Web browser  • Pocket Word	32 Yes Yes Yes
Project languages  • Languages per project  Functionality under WinCC (TIA Portal)  Libraries  Applications/options  • Web browser  • Pocket Word  • Pocket Excel	Yes Yes Yes Yes Yes
Project languages  • Languages per project  Functionality under WinCC (TIA Portal)  Libraries  Applications/options  • Web browser  • Pocket Word  • Pocket Excel  • PDF Viewer	Yes Yes Yes Yes Yes Yes Yes
Project languages  • Languages per project  Functionality under WinCC (TIA Portal)  Libraries  Applications/options  • Web browser  • Pocket Word  • Pocket Excel  • PDF Viewer  • Media Player	Yes Yes Yes Yes Yes Yes Yes Yes Yes
Project languages  • Languages per project  Functionality under WinCC (TIA Portal)  Libraries  Applications/options  • Web browser  • Pocket Word  • Pocket Excel  • PDF Viewer  • Media Player  • SIMATIC WinCC Sm@rtServer	Yes
Project languages  • Languages per project  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
Project languages  • Languages per project  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
Project languages  • Languages per project  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
Project languages  Languages per project  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
Project languages  • Languages per project  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
Project languages  • Languages per project  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  Message system  • Number of alarm classes	Yes
Project languages  Languages per project  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  Message system  Number of alarm classes  Bit messages	32         Yes
Project languages  Languages per project  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  Message system  Number of alarm classes  Bit messages  — Number of bit messages	Yes
Project languages  Languages per project  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  Message system  Number of alarm classes  Bit messages  Number of bit messages  Analog messages	Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes
Project languages  Languages per project  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  task-controlled  Message system  Number of alarm classes  Bit messages  Number of bit messages  Analog messages  Number of analog messages	32         Yes         Yes
Project languages  Languages per project  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  Message system  Number of alarm classes  Bit messages  Number of bit messages  Analog messages  Number of analog messages  S7 alarm number procedure	Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes
Project languages  Languages per project  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  task-controlled  Message system  Number of alarm classes  Bit messages  Number of bit messages  Analog messages  Analog messages  Number of analog messages  S7 alarm number procedure  System messages HMI	32         Yes
Project languages  Languages per project  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  task-controlled  Message system  Number of alarm classes  Bit messages  Number of bit messages  Analog messages  Number of analog messages  S7 alarm number procedure  System messages HMI  System event, more (SIMATIC S7, SINUMERIK,	Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes
Project languages  • Languages per project  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  • task-controlled  Message system  • Number of alarm classes  • Bit messages  — Number of bit messages  • Analog messages  — Number of analog messages  • S7 alarm number procedure  • System messages HMI  • System event, more (SIMATIC S7, SINUMERIK, SIMOTION,)	32         Yes         Yes
Project languages  Languages per project  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  task-controlled  Message system  Number of alarm classes  Bit messages  Number of bit messages  Analog messages  Number of analog messages  S7 alarm number procedure  System messages HMI  System event, more (SIMATIC S7, SINUMERIK,	32         Yes

Acknowledgment groups	Yes
Message indicator	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	165
Number of variables per device	2 048
Number of variables per screen	400
Limit values	Yes
Multiplexing	Yes
Structures	Yes
	Yes
• Arrays	165
Images  • Number of configurable images	500
Number of configurable images     Permanent window/default	Yes
	Yes
Global image     Image selection by PLC	
Image selection by PLC     Image number in the PLC	Yes
Image number in the PLC     Image chicate	Yes
Image objects	400
Number of objects per image     Toyt fields	400 Yes
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
<ul><li>f(x) trend view</li></ul>	Yes
<ul> <li>System diagnostics view</li> </ul>	Yes
Media Player	Yes
HTML browser	Yes
<ul> <li>PDF display</li> </ul>	Yes
IP camera display	Yes; Webcam type see FAQs
Bar graphs	Yes
<ul> <li>Sliders</li> </ul>	Yes
<ul> <li>Pointer instruments</li> </ul>	Yes
Analog/digital clock	Yes
Lists	
<ul> <li>Number of text lists per project</li> </ul>	500
<ul><li>Number of text lists per project</li><li>Number of entries per text list</li></ul>	500 500
<ul> <li>Number of entries per text list</li> </ul>	500
<ul><li>Number of entries per text list</li><li>Number of graphics lists per project</li></ul>	500 500
<ul> <li>Number of entries per text list</li> <li>Number of graphics lists per project</li> <li>Number of entries per graphics list</li> </ul>	500 500
<ul> <li>Number of entries per text list</li> <li>Number of graphics lists per project</li> <li>Number of entries per graphics list</li> </ul> Archiving	500 500 500
<ul> <li>Number of entries per text list</li> <li>Number of graphics lists per project</li> <li>Number of entries per graphics list</li> </ul> Archiving <ul> <li>Number of archives per device</li> </ul>	500 500 500

December and inc	V
Process value archive	Yes
Archiving methods	
— Sequential archive	Yes
— Short-term archive	Yes
<ul> <li>Memory location</li> </ul>	
— Memory card	Yes
— USB memory	Yes
— Ethernet	Yes
Data storage format	
— CSV	Yes
— TXT	Yes
— RDB	Yes
Security	
<ul> <li>Number of user groups</li> </ul>	50
<ul> <li>Number of user rights</li> </ul>	32
<ul> <li>Number of users</li> </ul>	50
<ul> <li>Password export/import</li> </ul>	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
	Yes; Backup/restore
Ilising external storage megilim	
using external storage medium  Process counting	тез, васкириезине
Process coupling	
Process coupling • S7-1200	Yes
Process coupling	Yes Yes
Process coupling	Yes Yes Yes
Process coupling  • S7-1200  • S7-1500  • S7-200  • S7-300/400	Yes Yes Yes
Process coupling  • S7-1200  • S7-1500  • S7-200  • S7-300/400  • LOGO!	Yes Yes Yes Yes Yes Yes
Process coupling  S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC	Yes Yes Yes Yes Yes Yes Yes Yes
Process coupling  • S7-1200  • S7-1500  • S7-200  • S7-300/400  • LOGO!  • WinAC  • SINUMERIK	Yes
Process coupling  • S7-1200  • S7-1500  • S7-200  • S7-300/400  • LOGO!  • WinAC  • SINUMERIK  • SIMOTION	Yes
Process coupling	Yes
Process coupling  S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1)	Yes
Process coupling  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
Process coupling  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 Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes
Process coupling  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)	Yes Yes Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  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)	Yes Yes Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  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 Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  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)	Yes Yes Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  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) OPC UA Client	Yes Yes Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  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; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  S7-1200 S7-1500 S7-200 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; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  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	Yes Yes Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  S7-1200 S7-1500 S7-200 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; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  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	Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  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 Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  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 Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  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	Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  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  Peripherals/Options Printer	Yes Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  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 TCP/IP) Modicon (Modbus) OPC UA Client OPC UA Server  Service tools/configuration aids Backup/Restore manually Backup/Restore automatically Simulation Device switchover  Peripherals/Options  Printer  SIMATIC HMI MM memory card: Multi Media Card	Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  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  Peripherals/Options Printer	Yes Yes 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)	
<ul><li>Plastic</li></ul>	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

10/7/2021

last modified: