SIEMENS

Data sheet

Starter package TP1500 Outdoor incl. Outdoor SD Card, touch pen system and engineering system, WinCC Comfort



General information	
Product type designation	TP1500 Outdoor
Display	
Design of display	TFT, bonded, daylight-readable
Screen diagonal	15.4 in
Display width	331.2 mm
Display height	207 mm
Number of colors	16 777 216
Resolution (pixels)	
Horizontal image resolution	1 280 pixel
 Vertical image resolution 	800 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) 	40
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

	041/
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Input current	10.1
Current consumption (rated value)	1.3 A
Starting current inrush I²t	0.5 A ² ·s
Power	
Active power input, typ.	32 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	
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
Number of USB interfaces ■ USB Mini B	2; USB 2.0 1; 5-pole
• USB Mini B	1; 5-pole
USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of other interfaces	1; 5-pole 0
USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces	1; 5-pole 0 0 0 2
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; 5-pole 0 0 0
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	1; 5-pole 0 0 0 2 No
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	1; 5-pole 0 0 0 2 No
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; 5-pole 0 0 0 2 No
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	1; 5-pole 0 0 0 2 No
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	1; 5-pole 0 0 0 2 No 2 2 2 Yes
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	1; 5-pole 0 0 0 2 No 2 2 Yes Yes
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	1; 5-pole 0 0 0 2 No 2 2 Yes Yes Yes; WinCC V13 SP1 HSP or higher
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	1; 5-pole 0 0 0 2 No 2 2 2 Yes Yes Yes Yes; WinCC V13 SP1 HSP or higher Yes
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	1; 5-pole 0 0 0 2 No 2 2 2 Yes Yes Yes Yes Yes; WinCC V13 SP1 HSP or higher Yes Yes
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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	1; 5-pole 0 0 0 2 No 2 Yes Yes Yes Yes; WinCC V13 SP1 HSP or higher Yes Yes Yes
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 DHCP	1; 5-pole 0 0 0 2 No 2 2 2 Yes
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 DHCP SNMP	1; 5-pole 0 0 0 2 No 2 2 2 Yes Yes Yes Yes; WinCC V13 SP1 HSP or higher Yes Yes Yes Yes Yes Yes
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 DHCP SNMP OCP	1; 5-pole 0 0 0 2 No 2 2 2 Yes Yes Yes Yes; WinCC V13 SP1 HSP or higher Yes Yes Yes Yes Yes Yes Yes
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 DHCP SNMP DCP LLDP	1; 5-pole 0 0 0 2 No 2 2 2 Yes
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 DHCP SNMP DCP LLDP WEB characteristics	1; 5-pole 0 0 0 2 No Yes Yes Yes Yes; WinCC V13 SP1 HSP or higher Yes
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 DHCP SNMP DCP LLDP WEB characteristics HTTP	1; 5-pole 0 0 0 2 No Yes Yes Yes; WinCC V13 SP1 HSP or higher Yes Yes Yes Yes Yes Yes Yes Y
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 DHCP SNMP DCP LLDP WEB characteristics	1; 5-pole 0 0 0 2 No Yes Yes Yes Yes; WinCC V13 SP1 HSP or higher 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	
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 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	1 so, i oi moonpasii on donoo idaalig plate
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)	No; Available soon
Lloyds Register of Shipping (LRS)	Yes
Nippon Kaiji Kyokai (Class NK)	Yes; Available soon
Polski Rejestr Statkow (PRS)	No
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	, roman source, or rooman
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)	, (55, 5.5 -5)
— At maximum tilt angle, min.	-30 °C
At maximum tilt angle, min. 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)	
Operation (max. tilt angle, portrait lormat)	

— At maximum tilt angle, min	-30 °C
— At maximum tilt angle, min.	-30 °C 45 °C
— At maximum tilt angle, max.	40 0
Ambient temperature during storage/transportation	-30 °C
 min. max.	-30 °C
Altitude during operation relating to sea level	70 C
Installation altitude above sea level, max.	2 000 m; Depending on the operating temperature
Relative humidity	3 000 m; Depending on the operating temperature
Operation, max.	90 %; no condensation
·	90 %, no condensation
Operating systems	Al-
proprietary	No
pre-installed operating system	V
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	
Project languages • Languages per project	32
Project languages • Languages per project Functionality under WinCC (TIA Portal)	32
Project languages • Languages per project Functionality under WinCC (TIA Portal) Libraries	
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	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	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 task-controlled Help system	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 Help system Number of characters per info text	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 Help system Number of characters per info text Message system	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 Help system Number of characters per info text 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 Help system Number of characters per info text Message system Number of alarm classes Bit 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 Help system Number of characters per info text Message system Number of alarm classes Bit messages — Number of bit 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 Help system Number of characters per info text 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 Help system Number of characters per info text Message system Number of alarm classes Bit messages Number of bit messages Analog messages Analog messages Number of 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 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 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 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 • System messages HMI	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 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 Yes Yes Yes Yes Yes Yes Yes

Number of characters per message	80
Number of characters per message Number of process values per message	8
	Yes
Acknowledgment groups Magazing indicator	Yes
Message indicator	Tes
Message buffer	4.004
— Number of entries	1 024
Circulating buffer	Yes
— retentive	Yes
— maintenance-free	Yes
Recipe management	300
Number of recipes	
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
 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
Irend view User view	Yes
Status/control 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	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 entries per text listNumber of graphics lists per project	500
 Number of graphics lists per project Number of entries per graphics list 	500
Archiving	300
Number of archives per device	50
Number of arctives per device Number of entries per archive	20 000
Message archive	Yes
Process value archive	Yes
	Tes
Archiving methods Sequential prohims	Vaa
— 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	100,121,111112
Keyboard fonts	
— US English	Yes
Transfer (unload/download)	
Transfer (upload/download) • MPI/PROFIBLIS DP	Yes
MPI/PROFIBUS DP	Yes Yes
MPI/PROFIBUS DP USB	Yes
MPI/PROFIBUS DPUSBEthernet	Yes Yes
 MPI/PROFIBUS DP USB Ethernet using external storage medium 	Yes
 MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling	Yes Yes; Backup/restore
MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling S7-1200	Yes Yes Yes; Backup/restore Yes
 MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling S7-1200 S7-1500 	Yes Yes; Backup/restore Yes Yes
MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling S7-1200 S7-1500 S7-200	Yes Yes; Backup/restore Yes Yes Yes Yes
 MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling \$7-1200 \$7-1500 \$7-200 \$7-300/400 	Yes Yes; Backup/restore Yes Yes Yes Yes Yes Yes
 MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-300/400 LOGO! 	Yes Yes Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes
 MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC 	Yes Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes
MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK	Yes Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION	Yes Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP)	Yes Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1)	Yes Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP)	Yes Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1)	Yes Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
MPI/PROFIBUS DP USB Ethernet using external storage medium 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 Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling S7-1200 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; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
MPI/PROFIBUS DP USB Ethernet using external storage medium 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)	Yes Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
MPI/PROFIBUS DP USB Ethernet using external storage medium 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)	Yes Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling S7-1200 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; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
MPI/PROFIBUS DP USB Ethernet using external storage medium 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; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
MPI/PROFIBUS DP USB Ethernet using external storage medium 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 OPC UA Server	Yes Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
 MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling \$7-1200 \$7-1200 \$7-1500 \$7-200 \$7-300/400 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; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
MPI/PROFIBUS DP USB Ethernet using external storage medium 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; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye

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; 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; incl. 1x outdoor SD system card, 1x touch pen system for resistive and capacitive touch displays, and current engineering system WinCC Comfort
Mechanics/material	
Enclosure material (front)	
Plastic	No
Aluminum	Yes; Powder-coated, UV resistant
Stainless steel	No
Dimensions	
Width of the housing front	415 mm
Height of housing front	310 mm
Mounting cutout, width	396 mm
Mounting cutout, height	291 mm
Overall depth	77 mm
Weights	
Weight (without packaging)	4.3 kg
Weight (with packaging)	6.5 kg
Other	
Note:	Power, quantity structure and performance correspond to a standard 7" Comfort Panel

10/7/2021

last modified: