## SIEMENS

## Data sheet

## 6AV2124-0UC02-0AX1



SIMATIC HMI TP1900 Comfort, Comfort Panel, Touch operation, 19" widescreen TFT display, 16 million colors, PROFINET interface, MPI/PROFIBUS DP interface, 24 MB configuration memory, WEC 2013, configurable from WinCC Comfort V14 SP1 with HSP

General information	
Product type designation	TP1900 Comfort
Display	
Design of display	TFT
Screen diagonal	18.5 in
Display width	409.8 mm
Display height	230.4 mm
Number of colors	16 777 216
Resolution (pixels)	
<ul> <li>Horizontal image resolution</li> </ul>	1 366 pixel
Vertical image resolution	768 pixel
Backlighting	
<ul> <li>MTBF backlighting (at 25 °C)</li> </ul>	50 000 h
<ul> <li>Backlight dimmable</li> </ul>	Yes; 0-100 %
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
Keys with LED	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>Direct keys (touch buttons as S7 input I/O)</li> </ul>	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
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)	170
Current consumption (rated value) Starting current inrush I <sup>2</sup> t	1.7 A 0.5 A <sup>2</sup> ·s
-	0.5 A~S
Power	
Active power input, typ.	41 W
Processor	
Processor type	X86
Memory	
Flash	Yes
RAM	Yes
Memory available for user data	24 Mbyte
Type of output	
Info LED	No
Power LED	No
Error LED	No
Acoustics	
• Buzzer	No
• Speaker	Yes
Time of day	
Clock	
<ul> <li>Hardware clock (real-time)</li> </ul>	Yes
Software clock	Yes
retentive	Yes; Back-up duration typically 6 weeks
synchronizable	Yes
Interfaces	
Number of industrial Ethernet interfaces	2; 2 ports (switch) + independent port
Number of RS 485 interfaces	1; RS 422 / 485 combined
Number of RS 422 interfaces	0; together with RS 485
Number of RS 232 interfaces	0
Number of USB interfaces	2; USB 2.0
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	
<ul> <li>Industrial Ethernet status LED</li> </ul>	3
<ul> <li>Number of ports of the integrated switch</li> </ul>	2
Protocols	
PROFINET	Yes
Supports protocol for PROFINET IO	Yes
IRT	Yes
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	Yes
• HTML	Yes
• XML	Yes
• CSS	Yes
Active X	Yes
JavaScript	Yes
● Java VM	No

Redundancy mode	
Media redundancy	
— MRP	Yes
Further protocols	
• CAN	No
MODBUS	Yes
Interrupts/diagnostics/status information	
Diagnoses	
Diagnostic information readable	Yes; S7 controller
EMC	
Emission of radio interference acc. to EN 55 011	
Limit class A, for use in industrial areas	Yes
Limit class A, for use in residential areas	No
Degree and class of protection	
	IP65
IP (at the front) IP (rear)	IP20
NEMA (front)	IF 20
Enclosure Type 4 at the front	Yes
<ul> <li>Enclosure Type 4 at the front</li> <li>Enclosure Type 4x at the front</li> </ul>	Yes
Standards, approvals, certificates	Van
CE mark	Yes Yes
CULus RCM (formerly C-TICK)	Yes
	Yes
KC approval EAC (formerly Gost-R)	Yes
Use in hazardous areas	105
ATEX Zone 2	Yes
ATEX Zone 22	Yes
IECEx Zone 2	Yes
IECEX Zone 22	Yes
cULus Class I Zone 1	No
cULus Class I Zone 2, Division 2	Yes; For inscription on device rating plate
cULus Class II Division 2	No; Available soon
FM Class I Division 2	Yes; For inscription on device rating plate
FM Class II Division 2	No: Available soon
Marine approval	
Germanischer Lloyd (GL)	No
American Bureau of Shipping (ABS)	No
Bureau Veritas (BV)	No
Det Norske Veritas (DNV)	No
Korean Register of Shipping (KRS)	No
Lloyds Register of Shipping (LRS)	No
Nippon Kaiji Kyokai (Class NK)	No
Polski Rejestr Statkow (PRS)	No
Chinese Classification Society (CCS)	No
Ambient conditions	
Suited for indoor use	Yes
Suited for outdoor use	No
Ambient temperature during operation	
Operation (vertical installation)	
— For vertical installation, min.	0 °C
— For vertical installation, max.	45 °C
Operation (max. tilt angle)	
— At maximum tilt angle, min.	0 °C
— At maximum tilt angle, max.	40 °C
Operation (vertical installation, portrait format)	
— For vertical installation, min.	0 °C
— For vertical installation, max.	40 °C
Operation (max. tilt angle, portrait format)	

— At maximum tilt angle, min.	0 °C
— At maximum tilt angle, max.	35 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
Operation, max.	90 %; no condensation
Operating systems	
proprietary	No
pre-installed operating system	
Windows CE	Yes; Windows Embedded Compact 2013
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
<ul> <li>STEP 7 Professional (TIA Portal)</li> </ul>	No
<ul> <li>WinCC flexible Compact</li> </ul>	No
<ul> <li>WinCC flexible Standard</li> </ul>	No
<ul> <li>WinCC flexible Advanced</li> </ul>	No
<ul> <li>WinCC Basic (TIA Portal)</li> </ul>	No
<ul> <li>WinCC Comfort (TIA Portal)</li> </ul>	Yes; V14 SP1 HSP and higher
<ul> <li>WinCC Advanced (TIA Portal)</li> </ul>	Yes; V14 SP1 HSP and higher
<ul> <li>WinCC Professional (TIA Portal)</li> </ul>	Yes; V14 SP1 HSP and higher
Languages	
Online languages	
<ul> <li>Number of online/runtime languages</li> </ul>	32
Project languages	
<ul> <li>Languages per project</li> </ul>	32
Functionality under WinCC (TIA Portal)	
Libraries	Yes
Applications/options	
Web browser	Yes
Pocket Word	Yes
Pocket Excel	Yes
PDF Viewer	Yes
Media Player	Yes
<ul> <li>SIMATIC WinCC Sm@rtServer</li> </ul>	Yes
SIMATIC WinCC Audit	Yes
Number of Visual Basic Scripts	Yes
Task planner	
<ul> <li>time-controlled</li> </ul>	Yes
task-controlled	Yes
Message system	
<ul> <li>Number of alarm classes</li> </ul>	32
Bit messages	
<ul> <li>Number of bit messages</li> </ul>	6 000
<ul> <li>Analog messages</li> </ul>	
<ul> <li>Number of analog messages</li> </ul>	200
<ul> <li>S7 alarm number procedure</li> </ul>	Yes
<ul> <li>System messages HMI</li> </ul>	Yes
• System event, more (SIMATIC S7, SINUMERIK, SIMOTION, )	Yes
<ul> <li>Number of characters per message</li> </ul>	80
<ul> <li>Number of process values per message</li> </ul>	8
<ul> <li>Acknowledgment groups</li> </ul>	Yes
Message indicator	Yes

Pacina managament	
Recipe management	500
Number of recipes	500
Data records per recipe	1 000
Entries per data record	2 000
Size of internal recipe memory	4 Mbyte Yes
Recipe memory expandable Variables	Tes
Number of variables per device	4 096
Number of variables per screen	400
Limit values	Yes
Multiplexing	Yes
Structures	Yes
Arrays	Yes
Images	
Number of configurable images	750
Permanent window/default	Yes
Global image	Yes
Pop-up images	Yes
Slide-in images	Yes
Image selection by PLC	Yes
Image number in the PLC	Yes
Image objects	
Number of objects per image	600
Text fields	Yes
<ul> <li>I/O fields</li> </ul>	Yes
<ul> <li>Graphic I/O fields (graphics list)</li> </ul>	Yes
<ul> <li>Symbolic I/O fields (text list)</li> </ul>	Yes
Date/time fields	Yes
Switches	Yes
Buttons	Yes
Graphic display	Yes
• Icons	Yes
Geometric objects	Yes
Complex image objects	
<ul> <li>Number of complex objects per screen</li> </ul>	40
Alarm view	Yes
Trend view	Yes
• User view	Yes
<ul> <li>Status/control</li> </ul>	
	Yes
Sm@rtClient view	Yes
<ul><li>Sm@rtClient view</li><li>Recipe view</li></ul>	
<ul> <li>Sm@rtClient view</li> <li>Recipe view</li> <li>f(x) trend view</li> </ul>	Yes Yes Yes
<ul> <li>Sm@rtClient view</li> <li>Recipe view</li> <li>f(x) trend view</li> <li>System diagnostics view</li> </ul>	Yes Yes Yes
<ul> <li>Sm@rtClient view</li> <li>Recipe view</li> <li>f(x) trend view</li> <li>System diagnostics view</li> <li>Media Player</li> </ul>	Yes Yes Yes Yes
<ul> <li>Sm@rtClient view</li> <li>Recipe view</li> <li>f(x) trend view</li> <li>System diagnostics view</li> <li>Media Player</li> <li>HTML browser</li> </ul>	Yes Yes Yes Yes Yes
<ul> <li>Sm@rtClient view</li> <li>Recipe view</li> <li>f(x) trend view</li> <li>System diagnostics view</li> <li>Media Player</li> <li>HTML browser</li> <li>PDF display</li> </ul>	Yes Yes Yes Yes Yes
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<ul> <li>Sm@rtClient view</li> <li>Recipe view</li> <li>f(x) trend view</li> <li>System diagnostics view</li> <li>Media Player</li> <li>HTML browser</li> <li>PDF display</li> <li>IP camera display</li> <li>Bar graphs</li> <li>Sliders</li> <li>Pointer instruments</li> <li>Analog/digital clock</li> </ul>	Yes Yes Yes Yes Yes Yes Yes
<ul> <li>Sm@rtClient view</li> <li>Recipe view</li> <li>f(x) trend view</li> <li>System diagnostics view</li> <li>Media Player</li> <li>HTML browser</li> <li>PDF display</li> <li>IP camera display</li> <li>Bar graphs</li> <li>Sliders</li> <li>Pointer instruments</li> <li>Analog/digital clock</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
<ul> <li>Sm@rtClient view</li> <li>Recipe view</li> <li>f(x) trend view</li> <li>System diagnostics view</li> <li>Media Player</li> <li>HTML browser</li> <li>PDF display</li> <li>IP camera display</li> <li>Bar graphs</li> <li>Sliders</li> <li>Pointer instruments</li> <li>Analog/digital clock</li> </ul> Lists <ul> <li>Number of text lists per project</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
<ul> <li>Sm@rtClient view</li> <li>Recipe view</li> <li>f(x) trend view</li> <li>System diagnostics view</li> <li>Media Player</li> <li>HTML browser</li> <li>PDF display</li> <li>IP camera display</li> <li>Bar graphs</li> <li>Sliders</li> <li>Pointer instruments</li> <li>Analog/digital clock</li> </ul> Lists <ul> <li>Number of text lists per project</li> <li>Number of entries per text list</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
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	N/
<ul> <li>Process value archive</li> </ul>	Yes
<ul> <li>Archiving methods</li> </ul>	
— Sequential archive	Yes
— Short-term archive	Yes
<ul> <li>Memory location</li> </ul>	
— Memory card	Yes
— USB memory	Yes
— Ethernet	Yes
<ul> <li>Data storage format</li> </ul>	
— CSV	Yes
— TXT	Yes
— RDB	Yes
Security	
Number of user groups	50
Number of user rights	32
Number of users	50
<ul> <li>Password export/import</li> </ul>	Yes
SIMATIC Logon	Yes
Logging through printer	
Alarms	Yes
Report (shift log)	Yes
	Yes
<ul><li>Hardcopy</li><li>Electronic print to file</li></ul>	Yes; PDF, HTML
Character sets	
Keyboard fonts	N/
— US English	Yes
Transfer (upload/download)	
MPI/PROFIBUS DP	Yes
• USB	Yes
• Ethernet	Yes
<ul> <li>using external storage medium</li> </ul>	Yes
using external storage medium     Process coupling	Yes
	Yes
Process coupling	
Process coupling • S7-1200	Yes
Process coupling • S7-1200 • S7-1500	Yes Yes
Process coupling • S7-1200 • S7-1500 • S7-200	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
Process coupling • S7-1200 • S7-1500 • S7-200 • S7-300/400 • LOGO! • WinAC	Yes Yes Yes Yes Yes
Process coupling • S7-1200 • S7-1500 • S7-200 • S7-300/400 • LOGO! • WinAC • SINUMERIK	Yes Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher
Process coupling • S7-1200 • S7-1500 • S7-200 • S7-300/400 • LOGO! • WinAC • SINUMERIK • SIMOTION	Yes Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes
Process coupling • S7-1200 • S7-1500 • S7-200 • S7-300/400 • LOGO! • WinAC • SINUMERIK • SINUMERIK • SIMOTION • Allen Bradley (EtherNet/IP)	Yes Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher 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)	Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes
Process coupling • 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)	Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher 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; With SINUMERIK option package as from WinCC V15 or higher 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) OMRON (LINK/Multilink)	Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes 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) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP)	Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes 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) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus)	Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes 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 (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus TCP/IP) OCC UA Client	Yes Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes 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) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus TCP/IP) OPC UA Client OPC UA Server	Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes 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) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus TCP/IP) Modicon (Modbus TCP/IP) OPC UA Client OPC UA Server Service tools/configuration aids	Yes Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes 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) 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; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes 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) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus TCP/IP) Modicon (Modbus TCP/IP) Modicon (Modbus TCP/IP) Bocup CUA Server Service tools/configuration aids Backup/Restore manually Backup/Restore automatically	Yes Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes Yes Yes No 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 (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) 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	Yes Yes Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes 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) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus TCP/IP) OMCON (LINK/Multilink) 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 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) 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	Yes Yes Yes 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) 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	Yes Yes Yes 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) 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 Peripherals/Options Printer SIMATIC HMI MM memory card: Multi Media Card	Yes Yes Yes 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) 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	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes

SIMATIC HMI CF memory card Compact Flash Card	No
USB memory	Yes
SIMATIC IPC USB Flashdrive (USB stick)	Yes; Up to 16 GB
SIMATIC HMI USB stick	Yes; Up to 8 GB
Network camera	Yes
Mechanics/material	
Enclosure material (front)	
Plastic	No
Aluminum	Yes
Stainless steel	No
Dimensions	
Width of the housing front	483 mm
Height of housing front	337 mm
Mounting cutout, width	465 mm
Mounting cutout, height	319 mm
Overall depth	75 mm
Weights	
Weight (without packaging)	5.6 kg
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