## **SIEMENS**

## **Data sheet**



SIMATIC HMI TP1200 Comfort INOX Stainless steel front, Glass pane, capacitive touch, Degree of protection front IP69K, 12" widescreen TFT display, PROFINET interface, MPI/PROFIBUS DP interface, 12 MB configuration memory, Windows CE 6.0, (Microsoft Support included Security updates discontinued) configurable from WinCC Comfort V15

General information	
Product type designation	TP1200 Comfort INOX PCT
Display	
Design of display	TFT
Screen diagonal	12.1 in
Display width	261.1 mm
Display height	163.2 mm
Number of colors	16 777 216
Resolution (pixels)	
<ul> <li>Horizontal image resolution</li> </ul>	1 280 pixel
Vertical image resolution	800 pixel
Backlighting	
<ul> <li>MTBF backlighting (at 25 °C)</li> </ul>	80 000 h
Backlight dimmable	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
System keys	No
Numeric keyboard	Yes; Onscreen keyboard
alphanumeric keyboard	Yes; Onscreen keyboard
Touch operation	
<ul> <li>Design as touch screen</li> </ul>	Yes; capacitive
<ul> <li>Design as multi-touch screen</li> </ul>	No
Monitor keyboard	Yes
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)	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 cumply voltage	DC
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)	0.85 A
Starting current inrush I²t	0.5 A <sup>2</sup> ·s
Power	
Active power input, typ.	20 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	Speaker
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	1; 2 ports (switch)
	4 50 400 4405
Number of RS 485 interfaces	1; RS 422 / 485 combined
Number of RS 485 interfaces  Number of RS 422 interfaces	1; RS 422 / 485 combined 0; together with RS 485
Number of RS 422 interfaces	0; together with RS 485
Number of RS 422 interfaces Number of RS 232 interfaces	0; together with RS 485
Number of RS 422 interfaces  Number of RS 232 interfaces  Number of USB interfaces	0; together with RS 485 0 2; USB 2.0
Number of RS 422 interfaces  Number of RS 232 interfaces  Number of USB interfaces  • USB Mini B	0; together with RS 485 0 2; USB 2.0 1; 5-pole
Number of RS 422 interfaces  Number of RS 232 interfaces  Number of USB interfaces  USB Mini B  Number of 20 mA interfaces (TTY)	0; together with RS 485 0 2; USB 2.0 1; 5-pole 0
Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces  • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces	0; together with RS 485 0 2; USB 2.0 1; 5-pole 0
Number of RS 422 interfaces  Number of RS 232 interfaces  Number of USB interfaces  USB Mini B  Number of 20 mA interfaces (TTY)  Number of parallel interfaces  Number of other interfaces	0; together with RS 485  0  2; USB 2.0  1; 5-pole  0  0
Number of RS 422 interfaces  Number of RS 232 interfaces  Number of USB interfaces  USB Mini B  Number of 20 mA interfaces (TTY)  Number of parallel interfaces  Number of other interfaces  Number of SD card slots	0; together with RS 485  0  2; USB 2.0  1; 5-pole  0  0  2
Number of RS 422 interfaces  Number of RS 232 interfaces  Number of USB interfaces  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	0; together with RS 485  0  2; USB 2.0  1; 5-pole  0  0  2
Number of RS 422 interfaces  Number of RS 232 interfaces  Number of USB interfaces  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	0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 2 No
Number of RS 422 interfaces  Number of RS 232 interfaces  Number of USB interfaces  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	0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 2 No
Number of RS 422 interfaces  Number of RS 232 interfaces  Number of USB interfaces  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	0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 2 No
Number of RS 422 interfaces  Number of RS 232 interfaces  Number of USB interfaces  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	0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 2 No
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Number of RS 422 interfaces  Number of RS 232 interfaces  Number of USB interfaces  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	0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 No  Yes Yes
Number of RS 422 interfaces  Number of RS 232 interfaces  Number of USB interfaces  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	0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 2 No  2 Yes Yes Yes; As of WinCC V15
Number of RS 422 interfaces  Number of RS 232 interfaces  Number of USB interfaces  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	0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 No  Yes Yes Yes; As of WinCC V15 Yes
Number of RS 422 interfaces  Number of RS 232 interfaces  Number of USB interfaces  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	0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 No  Yes Yes Yes; As of WinCC V15 Yes Yes Yes
Number of RS 422 interfaces  Number of RS 232 interfaces  Number of USB interfaces  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	0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 No  Yes Yes Yes; As of WinCC V15 Yes Yes Yes
Number of RS 422 interfaces  Number of RS 232 interfaces  • 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)	0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 No  Yes Yes Yes Yes; As of WinCC V15 Yes Yes
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• XML	Yes
• CSS	Yes
<ul><li>Active X</li></ul>	Yes
<ul> <li>JavaScript</li> </ul>	Yes
• Java VM	No
Redundancy mode	
Media redundancy	
— MRP	Yes; As of WinCC V15
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 / IPx6K and IP69 / IPx9K
IP (rear)	IP20
NEMA (front)	NEMA 4, NEMA 12 (when installed)
Enclosure Type 4 at the front	No
Enclosure Type 4x at the front	Yes
Enclosure Type 12 at the front	Yes
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	No
EAC (formerly Gost-R)	Yes
Use in hazardous areas	
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
• cULus Class II Division 2	No
• FM Class I Division 2	No
• FM Class II Division 2	No
Ambient conditions	
Suited for indoor use	Yes
Suited for outdoor use	No No
Ambient temperature during operation	NO.
Operation (vertical installation)	
— For vertical installation, min.	0 °C
For vertical installation, max.	50 °C
Operation (max. tilt angle)	
— At maximum tilt angle, min.	0 °C
At maximum tilt angle, min.  At maximum tilt angle, max.	40 °C
Operation (vertical installation, portrait format)	70 0
— For vertical installation, portrait format)	0 °C
- For vertical installation, max.  - 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
Altitude during operation relating to sea level	
Installation altitude above sea level, max.	2 000 m
Relative humidity	

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; As of WinCC V15	
WinCC Advanced (TIA Portal)	Yes; As of WinCC V15	
Winco Advanced (TIA Portal)     WinCo Professional (TIA Portal)	Yes; As of WinCC V15	
Languages	103, A3 01 WIII00 V 13	
Online languages		
Number of online/runtime languages	32	
Project languages	52	
Languages     Languages per project	32	
Functionality under WinCC (TIA Portal)	VL	
	Yes	
Libraries Applications/options	Internet Explorer, PDF/Word/Excel Viewer, Sm@rtService, Sm@rtAccess,	
Applications/options	ProAgent	
Web browser	Yes	
Pocket Word	Yes; Viewer	
Pocket Excel	Yes; Viewer	
PDF Viewer	Yes	
Media Player	Yes	
SIMATIC WinCC Sm@rtServer	Yes	
SIMATIC WinCC Audit	Yes	
Number of Visual Basic Scripts	Yes	
Task planner	Yes	
• time-controlled	Yes	
task-controlled	Yes	
Help system		
Number of characters per info text	70	
Message system		
Number of alarm classes	32	
Bit messages		
Number of bit messages	4 000	
Analog messages		
Number of analog messages	200	
S7 alarm number procedure	Yes	
System messages HMI	Yes	
• System event, more (SIMATIC S7, SINUMERIK,	Yes	
SIMOTION,)		
Number of characters per message	80	
<ul> <li>Number of process values per message</li> </ul>	8	
<ul> <li>Acknowledgment groups</li> </ul>	Yes	
Message indicator	Yes	
Message buffer		
<ul><li>Number of entries</li></ul>	1 024	
— Circulating buffer	Yes	
— retentive	Yes	

— maintenance-free Y	r'es
Recipe management	
	300
· · · · · · · · · · · · · · · · · · ·	500
	1 000
	2 Mbyte Yes
Recipe memory expandable     Y  Variables	les
	2040
·	2 048
·	,
	/es
. 0	∕es
	∕es
·	∕es
Images	
	500
	<del>'</del> es
S .	<del>'</del> es
	⁄es
	r'es
S ,	/es
_ v	/es
Image objects	
Number of objects per image	400
• Text fields Y	r'es
• I/O fields	/es
Graphic I/O fields (graphics list)  Y	′es
Symbolic I/O fields (text list)  Y	′es
Date/time fields	r'es
• Switches Y	r'es
Buttons  Y	r'es
Graphic display  Y	/es
• Icons Y	· · · · · · · · · · · · · · · · · · ·
Geometric objects	· · · · · · · · · · · · · · · · · · ·
Complex image objects	
	20
	/es
	/es
	/es
	res
	res
	⁄es
·	res
	res
	res
•	res res
	res
. ,	res res
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	res
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	res
	∕es
Lists	
	500
·	500
	500
<ul> <li>Number of entries per graphics list</li> </ul>	
	500
Archiving	
Archiving  • Number of archives per device 5	50
Archiving  ● Number of archives per device  ● Number of entries per archive  20	

<ul> <li>Process value archive</li> </ul>	Yes
Archiving methods	Sequential log, circular log, alarm log, process value archive
<ul> <li>— Sequential archive</li> </ul>	Yes
— Short-term archive	Yes
<ul> <li>Memory location</li> </ul>	SD/MMC card, Ethernet, USB memory stick
— Memory card	Yes
— USB memory	Yes
— Ethernet	Yes
Data storage format	CSV file, readable, e.g. with MS Excel, MS Access
— 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
<ul> <li>Report (shift log)</li> </ul>	Yes
Hardcopy	Yes
Electronic print to file	Yes; PDF, HTML
Character sets	
<ul> <li>Keyboard fonts</li> </ul>	US American (English)
— US English	Yes
Transfer (upload/download)	
MPI/PROFIBUS DP	Yes
• USB	Yes
• Ethernet	Yes
using external storage medium	Yes
Process coupling	
Process coupling • S7-1200	Yes
	Yes Yes
• S7-1200	
• S7-1200 • S7-1500	Yes
• S7-1200 • S7-1500 • S7-200	Yes Yes
<ul><li>S7-1200</li><li>S7-1500</li><li>S7-200</li><li>S7-300/400</li></ul>	Yes Yes Yes
<ul> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>LOGO!</li> </ul>	Yes Yes Yes Yes
<ul> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>LOGO!</li> <li>WinAC</li> </ul>	Yes Yes Yes Yes Yes Yes
<ul> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>\$INUMERIK</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package
<ul> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>\$INUMERIK</li> <li>\$IMOTION</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes
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<ul> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>\$INUMERIK</li> <li>\$IMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> </ul>	Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes
<ul> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>SINUMERIK</li> <li>SIMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> </ul>	Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes
<ul> <li>S7-1200</li> <li>S7-1500</li> <li>S7-200</li> <li>S7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>SINUMERIK</li> <li>SIMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> </ul>	Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes
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<ul> <li>S7-1200</li> <li>S7-1500</li> <li>S7-200</li> <li>S7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>SINUMERIK</li> <li>SIMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> </ul>	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
<ul> <li>S7-1200</li> <li>S7-1500</li> <li>S7-200</li> <li>S7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>SINUMERIK</li> <li>SIMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Modicon (Modbus TCP/IP)</li> <li>Modicon (Modbus)</li> <li>OPC UA Client</li> </ul>	Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
<ul> <li>S7-1200</li> <li>S7-1500</li> <li>S7-200</li> <li>S7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>SINUMERIK</li> <li>SIMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Modicon (Modbus TCP/IP)</li> <li>Modicon (Modbus)</li> <li>OPC UA Client</li> <li>OPC UA Server</li> </ul>	Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
<ul> <li>S7-1200</li> <li>S7-1500</li> <li>S7-200</li> <li>S7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>SINUMERIK</li> <li>SIMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Modicon (Modbus TCP/IP)</li> <li>Modicon (Modbus)</li> <li>OPC UA Client</li> </ul>	Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
<ul> <li>S7-1200</li> <li>S7-1500</li> <li>S7-200</li> <li>S7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>SINUMERIK</li> <li>SIMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Modicon (Modbus TCP/IP)</li> <li>Modicon (Modbus)</li> <li>OPC UA Client</li> <li>OPC UA Server</li> </ul>	Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
<ul> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>\$INUMERIK</li> <li>\$IMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Modicon (Modbus TCP/IP)</li> <li>Modicon (Modbus)</li> <li>OPC UA Server</li> <li>Service tools/configuration aids</li> </ul>	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
<ul> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>\$INUMERIK</li> <li>\$IMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Modicon (Modbus TCP/IP)</li> <li>Modicon (Modbus)</li> <li>OPC UA Client</li> <li>OPC UA Server</li> <li>Service tools/configuration aids</li> <li>Backup/Restore manually</li> </ul>	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
<ul> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>\$INUMERIK</li> <li>\$IMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Modicon (Modbus TCP/IP)</li> <li>Modicon (Modbus)</li> <li>OPC UA Client</li> <li>OPC UA Server</li> <li>Service tools/configuration aids</li> <li>Backup/Restore manually</li> <li>Backup/Restore automatically</li> </ul>	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
<ul> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>\$INUMERIK</li> <li>\$IMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Modicon (Modbus TCP/IP)</li> <li>Modicon (Modbus)</li> <li>OPC UA Client</li> <li>OPC UA Server</li> <li>Service tools/configuration aids</li> <li>Backup/Restore manually</li> <li>Backup/Restore automatically</li> <li>Simulation</li> </ul>	Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
<ul> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>\$INUMERIK</li> <li>\$IMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Modicon (Modbus TCP/IP)</li> <li>Modicon (Modbus)</li> <li>OPC UA Client</li> <li>OPC UA Server</li> <li>Service tools/configuration aids</li> <li>Backup/Restore manually</li> <li>Backup/Restore automatically</li> <li>Simulation</li> <li>Device switchover</li> </ul>	Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
<ul> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>\$INUMERIK</li> <li>\$IMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Modicon (Modbus TCP/IP)</li> <li>Modicon (Modbus)</li> <li>OPC UA Client</li> <li>OPC UA Server</li> <li>Service tools/configuration aids</li> <li>Backup/Restore manually</li> <li>Backup/Restore automatically</li> <li>Simulation</li> <li>Device switchover</li> <li>Peripherals/Options</li> </ul>	Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
<ul> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>\$INUMERIK</li> <li>\$IMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Modicon (Modbus TCP/IP)</li> <li>Modicon (Modbus)</li> <li>OPC UA Client</li> <li>OPC UA Server</li> <li>Service tools/configuration aids</li> <li>Backup/Restore manually</li> <li>Backup/Restore automatically</li> <li>Simulation</li> <li>Device switchover</li> <li>Peripherals/Options</li> <li>Printer</li> </ul>	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  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

SIMATIC IPC USB Flashdrive (USB stick)	Yes; Up to 16 GB
SIMATIC HMI USB stick	Yes; Up to 8 GB
Network camera	Yes
Accessories	
Further accessories are available	Yes; Service Pack (seal, mounting clips, clamping frame, power supply connector)
Mechanics/material	
Enclosure material (front)	
Plastic	No
Aluminum	No
Stainless steel	Yes
Dimensions	
Width of the housing front	330 mm
Height of housing front	241 mm
Mounting cutout, width	310 mm
Mounting cutout, height	221 mm
Overall depth	65 mm
Weights	
Weight (without packaging)	4.2 kg
Weight (with packaging)	4.9 kg
Classifications	
	Version Classification

	Version	Classification
eClass	14	27-33-02-01
eClass	12	27-33-02-01
eClass	9.1	27-33-02-01
eClass	9	27-33-02-01
eClass	8	27-24-23-02
eClass	7.1	27-24-23-02
eClass	6	27-24-23-02
ETIM	9	EC001412
ETIM	8	EC001412
ETIM	7	EC001412
IDEA	4	6607
UNSPSC	15	43-21-15-06

## Approvals / Certificates

**General Product Approval** 

Manufacturer Declaration







Special Test Certificate



EMV

For use in hazardous locations













Food, Pharmaceutical, Medical

<u>Miscellaneous</u>

last modified: 3/12/2024 🖸

