6AG1124-0JC01-4AX0

Data sheet

SIPLUS HMI TP900 Comfort for medial exposure with conformal coating based on 6AV2124-0JC01-0AX0



Figure similar

General information	
Product type designation	TP900 Comfort
Display	
Design of display	TFT
Screen diagonal	9 in
Display width	195 mm
Display height	117 mm
Number of colors	16 777 216
Resolution (pixels)	
Horizontal image resolution	800 Pixel
<ul> <li>Vertical image resolution</li> </ul>	480 Pixel
Backlighting	
MTBF backlighting (at 25 °C)	80 000 h
Backlight dimmable	Yes; 0-100 %
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
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
Direct keys (touch buttons as 37 input 1/0)	10
Installation type/mounting	
Mounting position	vertical
Mounting in portrait format possible	Yes
Mounting in landscape format possible	Yes
maximum permissible angle of inclination without	35°
external ventilation	
Supply voltage	
Supply voltage Type of supply voltage	DC
Type of supply voltage Rated value (DC)	DC 24 V
Type of supply voltage Rated value (DC) permissible range, lower limit (DC)	24 V 19.2 V
Type of supply voltage Rated value (DC)	24 V
Type of supply voltage Rated value (DC) permissible range, lower limit (DC)	24 V 19.2 V
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)	24 V 19.2 V
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) Input current	24 V 19.2 V 28.8 V
Type of supply voltage  Rated value (DC)  permissible range, lower limit (DC)  permissible range, upper limit (DC)  Input current  Current consumption (rated value)  Starting current inrush I²t	24 V 19.2 V 28.8 V 0.75 A
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t	24 V 19.2 V 28.8 V 0.75 A 0.5 A <sup>2</sup> -s
Type of supply voltage  Rated value (DC)  permissible range, lower limit (DC)  permissible range, upper limit (DC)  Input current  Current consumption (rated value)  Starting current inrush I²t	24 V 19.2 V 28.8 V 0.75 A
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.	24 V 19.2 V 28.8 V 0.75 A 0.5 A <sup>2</sup> ·s
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.	24 V 19.2 V 28.8 V 0.75 A 0.5 A <sup>2</sup> ·s
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.	24 V 19.2 V 28.8 V 0.75 A 0.5 A <sup>2</sup> ·s
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.  Processor Processor type	24 V 19.2 V 28.8 V 0.75 A 0.5 A <sup>2</sup> ·s
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.  Processor Processor type  Memory	24 V 19.2 V 28.8 V 0.75 A 0.5 A <sup>2</sup> ·s
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.  Processor Processor type  Memory Flash	24 V 19.2 V 28.8 V 0.75 A 0.5 A²-s 18 W X86
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.  Processor Processor type  Memory Flash RAM Memory available for user data	24 V 19.2 V 28.8 V  0.75 A 0.5 A²-s  18 W  X86
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.  Processor Processor type  Memory Flash RAM Memory available for user data  Type of output	24 V 19.2 V 28.8 V  0.75 A 0.5 A²-s  18 W  X86  Yes Yes 12 Mbyte
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.  Processor Processor type  Memory Flash RAM Memory available for user data	24 V 19.2 V 28.8 V  0.75 A 0.5 A²-s  18 W  X86

Error LED	No	
Acoustics		
• Buzzer	No	
<ul><li>Speaker</li></ul>	Yes	
T'		

## Time of day

## Clock

- Hardware clock (real-time)Software clockNo
- retentive Yes; Back-up duration typically 6 weeks
- synchronizable Yes

Interfaces	
Number of industrial Ethernet interfaces	2
Number of RS 485 interfaces	1; RS 422 / 485 combined
Number of RS 422 interfaces	1
Number of RS 232 interfaces	0
Number of USB interfaces	2; USB 2.0
• USB Mini B	1; 5-pole
Number of 20 mA interfaces (TTY)	0
Number of parallel interfaces	0
Number of other interfaces	0
Number of SD card slots	2
With software interfaces	No
Industrial Ethernet	
Industrial Ethernet status LED	2
<ul> <li>Number of ports of the integrated switch</li> </ul>	2

Protocols	
PROFINET	Yes
Supports protocol for PROFINET IO	Yes
IRT	Yes; As of WinCC V12
PROFIBUS	Yes
MPI	Yes
Protocols (Ethernet)	
• TCP/IP	Yes
• DHCP	Yes
• SNMP	Yes
• DCP	Yes
• LLDP	Yes
WEB characteristics	
• HTTP	Yes
• HTTPS	No
• HTML	Yes

• XML	No
• CSS	Yes
Active X	No
<ul> <li>JavaScript</li> </ul>	Yes
• Java VM	No
Redundancy mode	
Media redundancy	
— MRP	Yes; As of WinCC V12
Further protocols	
• CAN	No
• EtherNet/IP	Yes
• MODBUS	Yes
EMC	
Emission of radio interference acc. to EN 55 011	
<ul> <li>Limit class A, for use in industrial areas</li> </ul>	Yes
<ul> <li>Limit class B, for use in residential areas</li> </ul>	No
Dograp and class of protection	
Degree and class of protection  IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	
Enclosure Type 4 at the front	Yes
Enclosure Type 4x at the front	Yes
Ambient conditions Suited for indoor use	Yes
Suited for outdoor use	No
Ambient temperature during operation	INU
Operation (vertical installation)	
— For vertical installation, min.	0 °C; = Tmin
- For vertical installation, max.	50 °C; = Tmax
Operation (max. tilt angle)	or o, max
At maximum tilt angle, min.	0 °C; = Tmin
At maximum tilt angle, min.  — At maximum tilt angle, min.	40 °C; = Tmax
Operation (vertical installation, portrait format)	
For vertical installation, min.	0 °C; = Tmin
For vertical installation, max.	40 °C; = Tmax
Operation (max. tilt angle, portrait format)	io o, max
— At maximum tilt angle, min.	0 °C; = Tmin
At maximum tilt angle, min.  At maximum tilt angle, min.	35 °C; = Tmax
At maximum tilt angle, min.  Ambient temperature during storage/transportation	00 0, - Illiax
min.	-20 °C
~ IIIIII.	20 0

• max.	60 °C
Altitude during operation relating to sea level	
Installation altitude above sea level, max.	5 000 m
Ambient air temperature-barometric pressure- altitude	Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax -20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m)
Relative humidity	
<ul> <li>With condensation, tested in accordance with IEC 60068-2-38, max.</li> </ul>	100 %; RH incl. condensation/frost (no commissioning under condensation conditions)
Resistance	
Coolants and lubricants	
<ul> <li>Resistant to commercially available coolants and lubricants</li> </ul>	Yes; Incl. diesel and oil droplets in the air
Use in stationary industrial systems	
<ul> <li>to biologically active substances according to EN 60721-3-3</li> </ul>	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
<ul> <li>to chemically active substances according to EN 60721-3-3</li> </ul>	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
<ul> <li>to mechanically active substances according to EN 60721-3-3</li> </ul>	Yes; Class 3S4 incl. sand, dust, *
Use on ships/at sea	
<ul> <li>to biologically active substances according to EN 60721-3-6</li> </ul>	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request
<ul> <li>to chemically active substances according to EN 60721-3-6</li> </ul>	Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); $^{\star}$
<ul> <li>to mechanically active substances according to EN 60721-3-6</li> </ul>	Yes; Class 6S3 incl. sand, dust; *
Usage in industrial process technology	
<ul> <li>Against chemically active substances acc. to EN 60654-4</li> </ul>	Yes; Class 3 (excluding trichlorethylene)
<ul> <li>Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04</li> </ul>	Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)
Remark	
<ul> <li>Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04</li> </ul>	* The supplied plug covers must remain in place over the unused interfaces during operation!
Conformal coating	
<ul> <li>Coatings for printed circuit board assemblies acc. to EN 61086</li> </ul>	Yes
<ul> <li>Protection against fouling acc. to EN 60664-3</li> </ul>	Yes; Type 1 protection
<ul> <li>Military testing according to MIL-I-46058C, Amendment 7</li> </ul>	Yes; Discoloration of coating possible during service life

 Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Yes; Conformal coating, Class A

Operating systems	
proprietary	No
pre-installed operating system	
Windows CE	Yes
Configuration	
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
WinCC flexible Compact	No
WinCC flexible Standard	No
WinCC flexible Advanced	No
WinCC Basic (TIA Portal)	No
<ul> <li>WinCC Comfort (TIA Portal)</li> </ul>	Yes; from V11
WinCC Advanced (TIA Portal)	Yes; from V11
<ul> <li>WinCC Professional (TIA Portal)</li> </ul>	Yes; from V11
Languages	
Online languages	
Number of online/runtime languages	32
Project languages	
Languages per project	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
SIMATIC WinCC Sm@rtServer	Yes
SIMATIC WinCC Audit	Yes
Number of Visual Basic Scripts	Yes
Task planner	
• time-controlled	Yes

• task-controlled	Yes
Help system	
<ul> <li>Number of characters per info text</li> </ul>	70
Message system	
<ul> <li>Number of alarm classes</li> </ul>	32
Bit messages	
<ul> <li>Number of bit messages</li> </ul>	4 000
Analog messages	
<ul> <li>Number of analog messages</li> </ul>	200
<ul> <li>S7 alarm number procedure</li> </ul>	Yes
System messages HMI	Yes
<ul> <li>System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.)</li> </ul>	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
Message buffer	
— Number of entries	1 024
— Circulating buffer	Yes
— retentive	Yes
— maintenance-free	Yes
Recipe management	
Number of recipes	300
Data records per recipe	500
Entries per data record	1 000
<ul> <li>Size of internal recipe memory</li> </ul>	2 Mbyte
<ul> <li>Recipe memory expandable</li> </ul>	Yes
Variables	
<ul> <li>Number of variables per device</li> </ul>	2 048
<ul> <li>Number of variables per screen</li> </ul>	400
Limit values	Yes
<ul><li>Multiplexing</li></ul>	Yes
Structures	Yes
• Arrays	Yes
Images	
<ul> <li>Number of configurable images</li> </ul>	500
<ul> <li>Permanent window/default</li> </ul>	Yes
Global image	Yes
<ul><li>Image selection by PLC</li></ul>	Yes
<ul><li>Image number in the PLC</li></ul>	Yes
Image objects	

<ul> <li>Number of objects per image</li> </ul>	400
• Text fields	Yes
• I/O fields	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	
Number of complex objects per screen	20
Alarm view	Yes
• Trend view	Yes
• User view	Yes
Status/control	Yes
<ul><li>Sm@rtClient view</li></ul>	Yes
• Recipe view	Yes
• f(x) trend view	Yes
<ul> <li>System diagnostics view</li> </ul>	Yes
Media Player	Yes
Bar graphs	Yes
• Sliders	Yes
Pointer instruments	Yes
Analog/digital clock	Yes
Lists	
<ul> <li>Number of text lists per project</li> </ul>	500
<ul> <li>Number of entries per text list</li> </ul>	500
<ul> <li>Number of graphics lists per project</li> </ul>	500
<ul> <li>Number of entries per graphics list</li> </ul>	500
Archiving	
<ul> <li>Number of archives per device</li> </ul>	50
<ul> <li>Number of entries per archive</li> </ul>	20 000
Message archive	Yes
<ul> <li>Process value archive</li> </ul>	Yes
Archiving methods	
<ul> <li>Sequential archive</li> </ul>	Yes
— Short-term archive	Yes
Memory location	
<ul><li>Memory card</li></ul>	Yes

Ethernet	— USB memory	Yes
- CSV		
TXT		Yes
Number of user groups   50		
Number of user groups     Number of user rights     Number of users     Number of user gights     Number of users     Number of user gights     Number of users		
Number of user rights     Number of users     Password export/import     Yes     SIMATIC Logon     Yes     SIMATIC Logon     Yes     Report (shift log)     Yes     Neyboard fonts     — Us English     Yes     Yes     Report (upload/download)      MPI/PROFIBUS DP     Yes     Report (upload/download)      No     Process coupling      S7-1200     Yes     S7-1200     Yes     S7-1200     Yes     S7-1200     Yes     S7-200     Yes     S7-200     Yes     S7-300/400     Yes     S7-300/400     Yes     SINUMERIK     Yes; with SINUMERIK option package     No; With WinCC, subsequent version      Allen Bradley (DF1)     Yes     Mitsubishi (MC TCP/IP)     Mitsubishi (MC TCP/IP)     Mitsubishi (FX)     OMRON (FINS TCP)     OMRON (LINK/Muttilink)		50
Number of users     Password export/import     SIMATIC Logon     Yes     SIMATIC Logon     Yes  Logging through printer      Alarms     Report (shift log)     Hardcopy     Pes     Electronic print to file     Yes; PDF, HTML  Character sets      Keyboard fonts     — US English     Yes      Itansfer (upload/download)      MPI/PROFIBUS DP     Ves     Ethernet     Ves     Ethernet     Ves     S7-1200     Yes     S7-1200     Yes     S7-200     S7-200     S7-300/400     S7-200     Sr-300/400     Ves     SINUMERIK     SINUMERIK     SINUMERIK     SIMOTION     Allen Bradley (DF1)     Mitsubishi (FX)     OMRON (LINK/Muttilink)  Pes  SYes     OMRON (LINK/Muttilink)  Yes  No  Proses  Pes  Nes  No  No  No  No  No  No  No  No  No  N		32
■ 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 ■ Ethernet Yes ■ using external storage medium No  Process coupling ■ \$7-1200 Yes ■ \$7-1500 Yes ■ \$7-1500 Yes ■ \$7-200 Yes ■ \$7-300/400 Yes ■ S7-300/400 Yes ■ LOGO! Yes ■ SINUMERIK Yes; with SINUMERIK option package ■ SINUMERIK Yes; with SINUMERIK option package ■ SIMOTION No; With WinCC, subsequent version ■ Allen Bradley (EtherNet/IP) Yes ■ Mitsubishi (MC TCP/IP) Yes ■ Mitsubishi (FX) Yes ■ OMRON (FINS TCP) ■ OMRON (FINS TCP) ■ OMRON (KINK/Multilink)		50
	Password export/import	Yes
		Yes
Report (shift log)     Hardcopy     Yes     Electronic print to file     Yes; PDF, HTML  Character sets      Keyboard fonts     — US English     Yes      Transfer (upload/download)      MPI/PROFIBUS DP     Yes     USB     Sethernet     using external storage medium     No  Process coupling      S7-1200     Yes     S7-1500     Yes     S7-200     Yes     S7-300/400     Yes     UGGO!     Ves     SINUMERIK     SINUMERIK     SINUMERIK     SINUMERIK     SINUMERIK     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  Ye	Logging through printer	
# Hardcopy  • Electronic print to file  Character sets  • Keyboard fonts  — US English  Transfer (upload/download)  • MPI/PROFIBUS DP  • USB  • Ethernet  • using external storage medium  Process coupling  • \$7-1200  • \$7-1200  • \$7-1200  • \$7-300/400  • \$7-300/400  • UGGO!  • WinAC  • SINUMERIK  • SINUMERIK  • SINUMERIK  • 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)	Alarms	Yes
Hardcopy	• Report (shift log)	Yes
Character sets           • Keyboard fonts           — US English         Yes           Transfer (upload/download)           • MPI/PROFIBUS DP         Yes           • USB         Yes           • Ethernet         Yes           • using external storage medium         No           Process coupling           • S7-1200         Yes           • S7-1500         Yes           • S7-200         Yes           • S7-300/400         Yes           • LOGO!         Yes           • WinAC         Yes           • SINUMERIK         Yes; with SINUMERIK option package           • SIMOTION         No; With WinCC, subsequent version           • Allen Bradley (EtherNet/IP)         Yes           • Allen Bradley (DF1)         Yes           • Mitsubishi (MC TCP/IP)         Yes           • Mitsubishi (FX)         Yes           • OMRON (FINS TCP)         No           • OMRON (LINK/Multilink)         Yes	Hardcopy	Yes
	Electronic print to file	Yes; PDF, HTML
— US English         Yes           Transfer (upload/download)         • MPI/PROFIBUS DP         Yes           • USB         Yes           • Ethernet         Yes           • using external storage medium         No           Process coupling           • \$7-1200         Yes           • \$7-200         Yes           • \$7-300/400         Yes           • LOGO!         Yes           • WinAC         Yes           • SINUMERIK         Yes; with SINUMERIK option package           • SIMOTION         No; With WinCC, subsequent version           • Allen Bradley (EtherNet/IP)         Yes           • Allen Bradley (DF1)         Yes           • Mitsubishi (MC TCP/IP)         Yes           • Mitsubishi (FX)         Yes           • OMRON (FINS TCP)         No           • OMRON (LINK/Multilink)         Yes	Character sets	
Transfer (upload/download)           • MPI/PROFIBUS DP         Yes           • USB         Yes           • Ethernet         Yes           • using external storage medium         No           Process coupling           • S7-1200         Yes           • S7-1500         Yes           • S7-200         Yes           • S7-300/400         Yes           • LOGO!         Yes           • WinAC         Yes           • SINUMERIK         Yes; with SINUMERIK option package           • SIMOTION         No; With WinCC, subsequent version           • Allen Bradley (EtherNet/IP)         Yes           • Allen Bradley (DF1)         Yes           • Mitsubishi (MC TCP/IP)         Yes           • Mitsubishi (FX)         Yes           • OMRON (FINS TCP)         No           • OMRON (LINK/Multilink)         Yes	Keyboard fonts	
	— US English	Yes
■ USB     ■ Ethernet     ■ Using external storage medium     No  Process coupling      ■ S7-1200     ■ S7-1500     ■ S7-200     ■ S7-200     ■ S7-300/400     ■ S7-300/400     ■ LOGO!     ■ WinAC     ■ WinAC     ■ SINUMERIK     ■ SINUMERIK     ■ SINUMERIK     ■ SIMOTION     ■ Allen Bradley (EtherNet/IP)     ■ Allen Bradley (DF1)     ■ Mitsubishi (MC TCP/IP)     ■ Mitsubishi (FX)     ● OMRON (FINS TCP)     ■ OMRON (EINK/Multilink)      ■ Ves     ■	Transfer (upload/download)	
<ul> <li>Ethernet</li> <li>using external storage medium</li> <li>No</li> </ul> Process coupling <ul> <li>\$7-1200</li> <li>\$7-1200</li> <li>\$7-200</li> <li>\$7-200</li> <li>\$7-200</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>\$1-200</li> <li>\$1-200</li></ul>	MPI/PROFIBUS DP	Yes
<ul> <li>using external storage medium</li> <li>Process coupling</li> <li>\$7-1200</li> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-200</li> <li>\$7-200</li> <li>\$7-200</li> <li>\$7-200</li> <li>\$1-200</li> <li>\$</li></ul>	• USB	Yes
Process coupling         Yes           • S7-1200         Yes           • S7-200         Yes           • S7-300/400         Yes           • LOGO!         Yes           • WinAC         Yes           • SINUMERIK         Yes; with SINUMERIK option package           • SIMOTION         No; With WinCC, subsequent version           • Allen Bradley (EtherNet/IP)         Yes           • Allen Bradley (DF1)         Yes           • Mitsubishi (MC TCP/IP)         Yes           • Mitsubishi (FX)         Yes           • OMRON (FINS TCP)         No           • OMRON (LINK/Multilink)         Yes	• Ethernet	Yes
• \$7-1200 • \$7-1500 • \$7-1500 • \$7-200 • \$7-300/400 • \$7-300/400 • \$1.0GO! • WinAC • WinAC • \$1.0UMERIK • \$1.	<ul> <li>using external storage medium</li> </ul>	No
<ul> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>\$Yes</li> <li>\$1.000 Yes</li> <li>\$1.000</li></ul>	Process coupling	
<ul> <li>S7-200</li> <li>S7-300/400</li> <li>Yes</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>Yes</li> <li>Yes</li> </ul>	• S7-1200	Yes
<ul> <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>Yes</li> <li>Yes</li> <li>Yes</li> <li>No</li> <li>Yes</li> </ul>	• S7-1500	Yes
<ul> <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>Yes</li> </ul>	• S7-200	Yes
<ul> <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>Yes</li> </ul>	• S7-300/400	Yes
<ul> <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>Yes; with SINUMERIK option package</li> <li>No; With WinCC, subsequent version</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>No</li> <li>Yes</li> <li>OMRON (LINK/Multilink)</li> </ul>	• LOGO!	Yes
<ul> <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>No; With WinCC, subsequent version</li> <li>Yes</li> <li>Yes</li> <li>No</li> <li>Yes</li> <li>OMRON (LINK/Multilink)</li> </ul>	• WinAC	Yes
<ul> <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>	• SINUMERIK	Yes; with SINUMERIK option package
<ul> <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>	• SIMOTION	No; With WinCC, subsequent version
<ul> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Yes</li> </ul>	<ul><li>Allen Bradley (EtherNet/IP)</li></ul>	Yes
<ul> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Yes</li> </ul>	● Allen Bradley (DF1)	Yes
OMRON (FINS TCP)  OMRON (LINK/Multilink)  No  Yes	Mitsubishi (MC TCP/IP)	Yes
OMRON (LINK/Multilink)  Yes	<ul><li>Mitsubishi (FX)</li></ul>	Yes
	• OMRON (FINS TCP)	No
Modicon (Modbus TCP/IP)     Yes	<ul> <li>OMRON (LINK/Multillink)</li> </ul>	Yes
	<ul> <li>Modicon (Modbus TCP/IP)</li> </ul>	Yes

<ul><li>Modicon (Modbus)</li></ul>	Yes
OPC UA Client	Yes
OPC UA Server	Yes
Service tools/configuration aids	
Backup/Restore manually	Yes
<ul> <li>Backup/Restore automatically</li> </ul>	Yes
<ul> <li>Simulation</li> </ul>	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
USB memory	Yes
Network camera	Yes

Mechanics/material	
Enclosure material (front)	
• Plastic	No
Aluminum	Yes
Stainless steel	No

nensions	
Width of the housing front	274 mm
Height of housing front	190 mm
Mounting cutout, width	251 mm
Mounting cutout, height	166 mm
Overall depth	63 mm

<i>N</i> eights		
Weight without packaging	1.9 kg	
Weight incl. packaging	2.6 kg	

05/13/2020 last modified: