SIEMENS

Data sheet



SIMATIC HMI, TP400 Basic Keyless; Basic Panel, neutral design, touch operation, 4" TFT display, 65536 colors, PROFINET interface, configurable from WinCC Basic V13/ STEP 7 Basic V13, contains open-source software, which is provided free of charge see enclosed CD

General information	
Product type designation	TP400 Basic Keyless
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	4.3 in
Display width	95 mm
Display height	53.9 mm
Number of colors	65 536
Resolution (pixels)	
 Horizontal image resolution 	480 pixel
Vertical image resolution	272 pixel
Backlighting	
 MTBF backlighting (at 25 °C) 	20 000 h
Backlight dimmable	Yes
Control elements	
Keyboard fonts	
 Function keys 	No
 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
 Design as multi-touch screen 	No
Monitor keyboard	Yes
Installation type/mounting	
Wall mounting/direct mounting	No
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)	125 mA

Starting current inrush I²t	0.2 A²·s
Processor	
Processor type	ARM
Memory	
Flash	Yes
RAM	Yes
Memory available for user data	10 Mbyte
Type of output	10 Mbyte
Acoustics	
Buzzer	Yes
• Speaker	No
Time of day	INO
Clock	
Hardware clock (real-time)	Yes
Software clock	Yes
• retentive	Yes
synchronizable	Yes
Interfaces	
Number of industrial Ethernet interfaces	1
Number of RS 485 interfaces	0
Number of RS 422 interfaces	0
Number of RS 232 interfaces	0
Number of USB interfaces	1
Number of 20 mA interfaces (TTY)	0
Number of parallel interfaces	0
Number of other interfaces	0
Number of SD card slots	0
With software interfaces	No
Industrial Ethernet	
Industrial Ethernet status LED	2
Protocols	
PROFINET	Yes
Supports protocol for PROFINET IO	No
IRT	No
PROFIBUS	No
EtherNet/IP	Yes
MPI	No
Protocols (Ethernet)	
• TCP/IP	Yes
TCP/IPDHCP	Yes Yes
• DHCP	Yes
DHCP SNMP	Yes Yes
DHCPSNMPDCP	Yes Yes Yes
DHCPSNMPDCPLLDP	Yes Yes Yes
DHCPSNMPDCPLLDP WEB characteristics	Yes Yes Yes Yes
 DHCP SNMP DCP LLDP WEB characteristics HTTP 	Yes Yes Yes Yes No
 DHCP SNMP DCP LLDP WEB characteristics HTTP HTML 	Yes Yes Yes Yes No
 DHCP SNMP DCP LLDP WEB characteristics HTTP HTML Further protocols CAN MODBUS 	Yes Yes Yes Yes No No
 DHCP SNMP DCP LLDP WEB characteristics HTTP HTML Further protocols CAN 	Yes Yes Yes Yes No No
 DHCP SNMP DCP LLDP WEB characteristics HTTP HTML Further protocols CAN MODBUS 	Yes Yes Yes Yes No No
DHCP SNMP DCP LLDP WEB characteristics HTTP HTML Further protocols CAN MODBUS Interrupts/diagnostics/status information Diagnoses Diagnostic information readable	Yes Yes Yes Yes No No
DHCP SNMP DCP LLDP WEB characteristics HTTP HTML Further protocols CAN MODBUS Interrupts/diagnostics/status information Diagnoses	Yes Yes Yes Yes No No No Ves; Modicon (MODBUS TCP/IP)
DHCP SNMP DCP LLDP WEB characteristics HTTP HTML Further protocols CAN MODBUS Interrupts/diagnostics/status information Diagnoses Diagnostic information readable	Yes Yes Yes Yes Yes No No No Ves; Modicon (MODBUS TCP/IP)
DHCP SNMP DCP LLDP WEB characteristics HTTP HTML Further protocols CAN MODBUS Interrupts/diagnostics/status information Diagnoses Diagnostic information readable EMC	Yes Yes Yes Yes Yes No No No Ves; Modicon (MODBUS TCP/IP)
DHCP SNMP DCP LLDP WEB characteristics HTTP HTML Further protocols CAN MODBUS Interrupts/diagnostics/status information Diagnoses Diagnostic information readable EMC Emission of radio interference acc. to EN 55 011 Limit class A, for use in industrial areas Limit class B, for use in residential areas	Yes Yes Yes Yes No No No No No No No Yes; Modicon (MODBUS TCP/IP)
DHCP SNMP DCP LLDP WEB characteristics HTTP HTML Further protocols CAN MODBUS Interrupts/diagnostics/status information Diagnoses Diagnostic information readable EMC Emission of radio interference acc. to EN 55 011 Limit class A, for use in industrial areas	Yes Yes Yes Yes No No No No No Yes; Modicon (MODBUS TCP/IP)
DHCP SNMP DCP LLDP WEB characteristics HTTP HTML Further protocols CAN MODBUS Interrupts/diagnostics/status information Diagnoses Diagnostic information readable EMC Emission of radio interference acc. to EN 55 011 Limit class A, for use in industrial areas Limit class B, for use in residential areas	Yes Yes Yes Yes No No No No No Yes; Modicon (MODBUS TCP/IP)
DHCP SNMP DCP LLDP WEB characteristics HTTP HTML Further protocols CAN MODBUS Interrupts/diagnostics/status information Diagnoses Diagnostic information readable EMC Emission of radio interference acc. to EN 55 011 Limit class A, for use in industrial areas Limit class B, for use in residential areas Degree and class of protection	Yes Yes Yes Yes No No No No Yes; Modicon (MODBUS TCP/IP) Yes No

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Enclosure Type 4 at the front Find a real type 4 at the front	Yes
Enclosure Type 4x at the front Standards, approvals, contificates.	Yes
Standards, approvals, certificates	V
CE mark	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
EAC (formerly Gost-R)	Yes
Use in hazardous areas	
ATEX Zone 2	No
ATEX Zone 22	No
• cULus Class I Zone 1	No
 cULus Class I Zone 2, Division 2 	No
FM Class I Division 2	No
Ambient conditions	
Ambient temperature during operation	
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, 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	
Relative humidity • Operation, max.	90 %
•	90 %
Operation, max.	90 % Yes
Operation, max. Operating systems	
Operation, max. Operating systems proprietary	
Operation, max. Operating systems proprietary pre-installed operating system	Yes
Operation, max. Operating systems proprietary pre-installed operating system Windows CE	Yes
Operation, max. Operating systems proprietary pre-installed operating system Windows CE configuration / header	Yes No
Operation, max. Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator	Yes No Yes
Operation, max. Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment)	Yes No Yes Yes
Operation, max. Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output)	Yes No Yes Yes Yes Yes
Operation, max. Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible	Yes No Yes Yes Yes Yes Yes
Operation, max. Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management	Yes No Yes Yes Yes Yes Yes
Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software	Yes No Yes Yes Yes Yes Yes Yes Yes
Operation, max. Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal)	Yes Yes Yes Yes Yes Yes Yes Yes
Operation, max. Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal)	Yes Yes Yes Yes Yes Yes Yes Yes
Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact	Yes
Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact WinCC flexible Standard	Yes
Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact WinCC flexible Standard WinCC flexible Advanced	Yes
Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact WinCC flexible Standard WinCC Basic (TIA Portal)	Yes
● Operation, max. Operating systems proprietary pre-installed operating system ● Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software ● STEP 7 Basic (TIA Portal) ● STEP 7 Professional (TIA Portal) ● WinCC flexible Compact ● WinCC flexible Advanced ● WinCC Basic (TIA Portal) ● WinCC Comfort (TIA Portal) ● WinCC Advanced (TIA Portal)	Yes
● Operating systems proprietary pre-installed operating system ● Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software ● STEP 7 Basic (TIA Portal) ● STEP 7 Professional (TIA Portal) ● WinCC flexible Compact ● WinCC flexible Standard ● WinCC Basic (TIA Portal) ● WinCC Advanced (TIA Portal) ● WinCC Advanced (TIA Portal)	Yes
Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact WinCC flexible Standard WinCC flexible Advanced WinCC Basic (TIA Portal) WinCC Comfort (TIA Portal) WinCC Advanced (TIA Portal) WinCC Professional (TIA Portal)	Yes
Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact WinCC flexible Advanced WinCC Basic (TIA Portal) WinCC Comfort (TIA Portal) WinCC Advanced (TIA Portal) WinCC Professional (TIA Portal)	Yes
Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact WinCC flexible Advanced WinCC Basic (TIA Portal) WinCC Comfort (TIA Portal) WinCC Advanced (TIA Portal) WinCC Advanced (TIA Portal) WinCC Professional (TIA Portal)	Yes
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Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact WinCC flexible Standard WinCC Basic (TIA Portal) WinCC Dasic (TIA Portal) WinCC Comfort (TIA Portal) WinCC Advanced (TIA Portal) WinCC Professional (TIA Portal) WinCC Professional (TIA Portal) WinCC Include (TIA Portal) WinCC Professional (TIA Portal) WinCC Professional (TIA Portal) Languages Online languages Number of online/runtime languages Project languages Languages per project	Yes
Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact WinCC flexible Standard WinCC flexible Advanced WinCC Basic (TIA Portal) WinCC Comfort (TIA Portal) WinCC Advanced (TIA Portal) WinCC Professional (TIA Portal) WinCC In Portal) WinCC Advanced (TIA Portal) WinCC Advanced (TIA Portal) WinCC Professional (TIA Portal) WinCC Professional (TIA Portal) Languages Online languages Languages per project Functionality under WinCC (TIA Portal)	Yes
Operating systems proprietary pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal) WinCC flexible Compact WinCC flexible Standard WinCC Basic (TIA Portal) WinCC Dasic (TIA Portal) WinCC Comfort (TIA Portal) WinCC Advanced (TIA Portal) WinCC Professional (TIA Portal) WinCC Professional (TIA Portal) WinCC Include (TIA Portal) WinCC Professional (TIA Portal) WinCC Professional (TIA Portal) Languages Online languages Number of online/runtime languages Project languages Languages per project	Yes Yes Yes Yes Yes Yes Yes Yes

Task planner	Yes
• time-controlled	No
task-controlled	Yes
Help system	Yes
Number of characters per info text	500
Message system	
 Number of alarm classes 	32
Bit messages	
 Number of bit messages 	1 000
 Analog messages 	
 Number of analog messages 	25
S7 alarm number procedure	No
System messages HMI	Yes
 System event, more (SIMATIC S7, SINUMERIK, SIMOTION,) 	Yes; System message buffer of the SIMATIC S7-1200 and S7-1500
 Number of characters per message 	80
 Number of process values per message 	8
 Acknowledgment groups 	Yes
Message indicator	Yes
Message buffer	
— Number of entries	256
 Circulating buffer 	Yes
— retentive	Yes
— maintenance-free	Yes
Recipe management	
Number of recipes	50
Data records per recipe	100
Entries per data record	100
Size of internal recipe memory	256 kbyte
Recipe memory expandable	No
Variables	
Number of variables per device	800
Number of variables per screen	100
Limit values	Yes
Multiplexing	Yes
Structures	No
Arrays	Yes
Images	100
Number of configurable images	100
Permanent window/default	Yes
Global image Global	Yes
Image selection by PLC	Yes
Image number in the PLC	Yes
Image objects	Von
Text fields	Yes
I/O fields Craphic I/O fields (graphics list)	Yes
Graphic I/O fields (graphics list) Symbolic I/O fields (toxt list)	Yes
Symbolic I/O fields (text list) Date/time fields	Yes
Date/time fields Switches	Yes Yes
SwitchesButtons	Yes
Graphic display	Yes
Graphic display Icons	Yes
Geometric objects	Yes
	160
Complex image objects	10
 Number of complex objects per screen Alarm view 	Yes
Alarm view Trend view	Yes
User view Status (control	Yes
Status/control Sm@rtClient view	No No
 Sm@rtClient view 	No

System diagnocitics vew Media Philips Media Philips Media Philips File diaglay No Stilders No Puinter instruments No Analogicigati choix No Number of archives per device 2 Number of archives per device 2 Number of entries per archive Yes Process value archive Yes Short Serm archive No Hemory Contin No List served format No List served format List served format Yes Password exportimiport Yes Possible via ProSave Password exportimiport Yes Password formation Yes Short Tot Com No Character sels Keyboard fords List Served f	Recipe view	Yes
	f(x) trend view	No
PDF display No PDF display No PDF display PDF	 System diagnostics view 	Yes
	Media Player	No
	PDF display	No
		No
	• •	
Analogidipatal clock		
Number of archives per device 2		
		INO
Message archive		
Process value archive Archiving methods Sequential archive Short-term archiver Short-term archive Short-term archive Short-term ar		
Sequential archive		Yes
	 Archiving methods 	
	 Sequential archive 	Yes
— Memory card No — USB memory Yes — Ethernet No • Data storage format *** — CSV Yes — TXT No — RDB No Security • Number of user groups 50 • Password export/import Yes, Possible via ProSave • SIMATIC Logn No Character sets • Weyboard fonts *** — US English Yes — US English Yes • Libernet Yes • USB No • USB No • Libernet Yes • Sr-1200 Yes • Sr-1200 Yes • Sr-1200 Yes • Sr-200 Yes • Sr-300/400 Yes • SiMOTION Yes • WinAC Yes • WinAC Yes • Alien Bradley (EtherNet/IP) Yes • Alien Bradley (EtherNet/IP) Yes	 Short-term archive 	Yes
— USB memory Yes — Ethemet No Oatal storage format — — CSV Yes — TXT No — RDB No Security • Number of user groups • Password export/import Yes: Possible via ProSave • SIMATIC Logon No Character sets — US English — US English Yes Transfet (publication) — • MPI/PROFIBUS DP No • USB No • Ethemet Yes • Since sociopting Yes • S7-1200 Yes • S7-1200 Yes • S7-200 Yes • S7-200 Yes • S7-200 Yes • SIMOTION Yes • Allen Brackey (EtherNet/IP) Yes • Allen Brackey (DFT) No • Misubishi (KZ) No • OMRON (LINK/Multilink) No • Modicion (Modbus TCP/IP) Yes • Backup/Restore automatically No	Memory location	
— Libernet No Data storage format FORD No Part Storage format FORD No Data storage format FORD No Data storage format FORD No Descrity FORD No Security FORD No SERICATION NO Character sets FORD No Character sets FORD No Data English Yes Data English Yes Data English Yes Data English Yes Data English No Data	— Memory card	No
Ethernet		Yes
		No
— CSV — TXT No — RDB No Security • Number of user groups 50 • Password export/import Yes: Possible via ProSave • SIMATIC Logon No Character sets • Keyboard fonts — US English — US English Yes Transfer (upload/download) • MPI/PROFIBUS DP No • USB No • LEthernet Yes • Using external storage medium Yes: Backup/restore Process coupling • S7-1200 Yes • S7-1200 Yes • S7-1200 Yes • S7-1200 Yes • S7-200 Yes • SIMOTION Yes • Allen Bradley (EtherNet/IP) Yes • Allen Bradley (EtherNet/IP) Yes • Mistubishi (MC TCP/IP) Yes		
- TXT		Yes
— RDB		
Number of user groups		
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Password export/import		50
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Character sets • Keyboard fonts —US English Yes Transfer (upload/download) • MPI/PROFIBUS DP No • USB No • Ethernet Yes • using external storage medium Yes; Backup/restore Process coupling • \$7-1200 Yes • \$7-200 Yes • \$7-200 Yes • \$7-200 Yes • LOGQ! Yes • WinAC Yes • SIMOTION Yes • Allen Bradley (EtherNet/IP) Yes • Allen Bradley (EfterNet/IP) Yes • Mitsubishi (MC TCP/IP) Yes • Mitsubishi (FX) No • OMRON (FINS TCP) No • OMRON (LINK/Multilink) No • Modicon (Modbus TCP/IP) Yes • Modicon (Modbus TCP/IP) Yes • Backup/Restore manually Yes • Backup/Restore automatically No • Device switchover Yes • Peripherals/Options		
		No No
Transfer (upload/download) ■ MPI/PROFIBUS DP ■ USB ■ Ethernet ■ using external storage medium Process coupling ■ \$7-1200 ■ \$7-1500 ■ \$7-1500 ■ \$7-200 ■ \$7-300/400 ■ \$7-300/400 ■ \$1-300/		
Transfer (upload/download) • MPI/PROFIBUS DP		
		Yes
■ Ethernet Yes ■ using external storage medium Yes; Backup/restore Process coupling ■ 57-1200 Yes ■ 57-1500 Yes ■ 57-300/400 Yes ■ 57-300/400 Yes ■ 57-300/400 Yes ■ 57-300/400 Yes ■ WinAC Yes ■ WinAC Yes ■ SIMOTION Yes ■ Allen Bradley (EtherNet/IP) Yes ■ Allen Bradley (DF1) No ■ Allen Bradley (DF1) No ● Mitsubishi (MC TCP/IP) Yes ● Mitsubishi (FX) No ● OMRON (FINS TCP) No ● OMRON (LINK/Multilink) No ● Modicon (Modbus) No Service tools/configuration aids ● Backup/Restore manually Yes ● Backup/Restore automatically No ● Simulation Yes ● Device switchover Yes Peripherals/Options Ne Peripherals/Options	Transfer (upload/download)	
● Elthernet Yes ● using external storage medium Yes; Backup/restore Process coupling ● S7-1200 Yes ● S7-1500 Yes ● S7-200 Yes ● S7-300/400 Yes ● LOGO! Yes ● WinAC Yes ● SIMOTION Yes ● Allen Bradley (EtherNet/IP) Yes ● Allen Bradley (DF1) No ● Mitsubishi (MC TCP/IP) Yes ● Mitsubishi (FX) No ● OMRON (FINS TCP) No ● Modicon (Modbus TCP/IP) Yes ● Modicon (Modbus TCP/IP) Yes ● Modicon (Modbus) No Service tools/configuration aids ● Backup/Restore manually Yes ● Backup/Restore automatically No ● Device switchover Yes Peripherals/Options	MPI/PROFIBUS DP	No
● using external storage medium Yes; Backup/restore Process coupling ● S7-1200 Yes ● S7-1500 Yes ● S7-200 Yes ● S7-300/400 Yes ● LOGO! Yes ● WinAC Yes ● SIMOTION Yes ● Allen Bradley (EtherNet/IP) Yes ● Allen Bradley (DF1) No ● Mitsubishi (MC TCP/IP) Yes ● Mitsubishi (FX) No ● OMRON (FINS TCP) No ● OMRON (LINK/Multilink) No ● Modicon (Modbus TCP/IP) Yes ● Modicon (Modbus) No Service tools/configuration aids Yes ● Backup/Restore manually Yes ● Backup/Restore automatically No ● Simulation Yes ● Device switchover Yes	• USB	No
Process coupling	• Ethernet	Yes
• S7-1200 Yes • S7-1500 Yes • S7-200 Yes • S7-300/400 Yes • LOGO! Yes • WinAC Yes • SIMOTION Yes • Allen Bradley (EtherNet/IP) Yes • Allen Bradley (DF1) No • Mitsubishi (MC TCP/IP) Yes • Mitsubishi (FX) No • OMRON (FINS TCP) No • OMRON (LINK/Multilink) No • Modicon (Modbus TCP/IP) Yes • Modicon (Modbus) No Service tools/configuration aids Ves • Backup/Restore annually Yes • Backup/Restore automatically No • Simulation Yes • Device switchover Yes	 using external storage medium 	Yes; Backup/restore
• S7-1500 Yes • S7-200 Yes • S7-300/400 Yes • LOGO! Yes • WinAC Yes • SIMOTION Yes • Allen Bradley (EtherNet/IP) Yes • Allen Bradley (DF1) No • Mitsubishi (MC TCP/IP) Yes • Mitsubishi (FX) No • OMRON (FINS TCP) No • OMRON (LINK/Multilink) No • Modicon (Modbus TCP/IP) Yes • Modicon (Modbus) No Service tools/configuration aids • Backup/Restore manually Yes • Backup/Restore automatically No • Simulation Yes • Device switchover Yes	Process coupling	
● S7-200 Yes ● S7-300/400 Yes ● LOGO! Yes ● WinAC Yes ● SIMOTION Yes ● Allen Bradley (EtherNet/IP) Yes ● Allen Bradley (DF1) No ● Mitsubishi (MC TCP/IP) Yes ● Mitsubishi (FX) No ● OMRON (FINS TCP) No ● OMRON (LINK/Multilink) No ● Modicon (Modbus TCP/IP) Yes ● Modicon (Modbus) No Service tools/configuration aids Yes ● Backup/Restore manually Yes ● Backup/Restore automatically No ● Simulation Yes ● Device switchover Yes	• S7-1200	Yes
● S7-200 Yes ● S7-300/400 Yes ● LOGO! Yes ● WinAC Yes ● SIMOTION Yes ● Allen Bradley (EtherNet/IP) Yes ● Allen Bradley (DF1) No ● Mitsubishi (MC TCP/IP) Yes ● Mitsubishi (FX) No ● OMRON (FINS TCP) No ● OMRON (LINK/Multilink) No ● Modicon (Modbus TCP/IP) Yes ● Modicon (Modbus) No Service tools/configuration aids Yes ● Backup/Restore manually Yes ● Backup/Restore automatically No ● Simulation Yes ● Device switchover Yes		
■ LOGO! ■ WinAC ■ SIMOTION ■ Allen Bradley (EtherNet/IP) ■ Allen Bradley (DF1) ■ Allen Bradley (DF1) ■ Mitsubishi (MC TCP/IP) ■ Mitsubishi (FX) ■ Mitsubishi (FX) ■ Monor (FINS TCP) ■ Monor (FINS TCP) ■ OMRON (FINS TCP) ■ OMRON (LINK/Multilink) ■ Modicon (Modbus TCP/IP) ■ Modicon (Modbus) ■ Service tools/configuration aids ■ Backup/Restore manually ■ Backup/Restore automatically ■ Backup/Restore automatically ■ Simulation ■ Device switchover ■ Peripherals/Options Pess Peripherals/Options		
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Modicon (Modbus TCP/IP) Modicon (Modbus) Service tools/configuration aids Backup/Restore manually Backup/Restore automatically Simulation Device switchover Peripherals/Options Yes Yes Yes Yes Yes Yes Yes Y	OMRON (FINS TCP)	No
Modicon (Modbus) Service tools/configuration aids Backup/Restore manually Backup/Restore automatically Simulation Device switchover Peripherals/Options No No Yes Yes Yes Yes	 OMRON (LINK/Multilink) 	No
Modicon (Modbus) Service tools/configuration aids Backup/Restore manually Backup/Restore automatically Simulation Device switchover Peripherals/Options No No Yes Yes Yes Yes	 Modicon (Modbus TCP/IP) 	Yes
Service tools/configuration aids • Backup/Restore manually • Backup/Restore automatically • Simulation • Device switchover Peripherals/Options Yes Peripherals/Options		No
Backup/Restore manually Backup/Restore automatically Simulation Device switchover Peripherals/Options Yes Yes Yes		
Backup/Restore automatically Simulation Device switchover Peripherals/Options No Yes Yes Peripherals/Options	-	Yes
 Simulation Device switchover Peripherals/Options Yes Yes		
Device switchover Yes Peripherals/Options		
Peripherals/Options		
		Yes
Printer No No		
	B : 4	A I

No
No
Yes; USB storage medium can be connected
Yes
No
No
141 mm
116 mm
123 mm
99 mm
33 mm

last modified:

3/12/2024