## SIEMENS

## Data sheet

## 6AV2124-0QC13-0AX0



SIMATIC HMI TP1500 Comfort Outdoor, Comfort Panel, Touch operation, 15" widescreen TFT display, 16 million colors, PROFINET interface, MPI/PROFIBUS DP interface, 12 MB configuration memory, Windows CE 6.0 (Microsoft Support included Security updates discontinued) configurable from WinCC Comfort V13 SP1, HSP

General information	
Product type designation	TP1500 Comfort Outdoor
Display	
Design of display	TFT, bonded, daylight-readable
Screen diagonal	15.4 in
Display width	331.2 mm
Display height	207 mm
Number of colors	16 777 216
Resolution (pixels)	
<ul> <li>Horizontal image resolution</li> </ul>	1 280 pixel
<ul> <li>Vertical image resolution</li> </ul>	800 pixel
Backlighting	
<ul> <li>MTBF backlighting (at 25 °C)</li> </ul>	50 000 h
Backlight dimmable	Yes; LED, can be dimmed manually or automatically
Control elements	
Keyboard fonts	
Function keys	
<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	
Design as touch screen	Yes; Analog-resistive
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
<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

pormissible range lower limit (DC)	10.2 \/
permissible range, lower limit (DC)	19.2 V 28.8 V
permissible range, upper limit (DC) Input current	20.0 V
	124
Current consumption (rated value)	1.3 A 0.5 A <sup>2</sup> ·s
Starting current inrush I <sup>2</sup> t Power	0.0 A 'S
	20.14/
Active power input, typ.	32 W
Processor Processor type	X86
	X80
Memory	Vec
Flash	Yes
RAM Mamanu available for upor date	
Memory available for user data	12 Mbyte
Type of output	No
Info LED Power LED	No
Error LED	No
Acoustics	
Buzzer	No
Speaker	Yes
Time of day	
Clock	
Hardware clock (real-time)	Yes
Software clock (real-time)	No
retentive	Yes; Back-up duration typically 6 weeks
synchronizable	Yes
Interfaces	
Number of industrial Ethernet interfaces	2
Number of RS 485 interfaces	1; RS 422 / 485 combined
Number of RS 422 interfaces	1
Number of RS 232 interfaces	0
Number of USB interfaces	2; USB 2.0
• 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	
<ul> <li>Industrial Ethernet status LED</li> </ul>	2
<ul> <li>Number of ports of the integrated switch</li> </ul>	2
Protocols	
PROFINET	Yes
Supports protocol for PROFINET IO	Yes
IRT	Yes; WinCC V13 SP1 HSP or higher
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	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; WinCC V13 SP1 HSP or higher
Further protocols	
• CAN	No
• 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
Degree and class of protection	
IP (at the front)	IP66
IP (rear)	IP20
NEMA (front)	
Enclosure Type 4 at the front	Yes
• Enclosure Type 4x at the front	Yes
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
Use in hazardous areas	
ATEX Zone 2	Yes; For inscription on device rating plate
ATEX Zone 22	Yes; For inscription on device rating plate
IECEx Zone 2	Yes; For inscription on device rating plate
IECEX Zone 22	
	Yes; For inscription on device rating plate No
cULus Class I Zone 1     cULus Class I Zone 2. Division 2	
, ,	Yes; For inscription on device rating plate
• FM Class I Division 2	Yes; For inscription on device rating plate
Marine approval	
• Germanischer Lloyd (GL)	Yes
American Bureau of Shipping (ABS)	Yes
Bureau Veritas (BV)	Yes; Available soon
Det Norske Veritas (DNV)	Yes
Korean Register of Shipping (KRS)	No; Available soon
Lloyds Register of Shipping (LRS)	Yes
<ul> <li>Nippon Kaiji Kyokai (Class NK)</li> </ul>	Yes; Available soon
<ul> <li>Polski Rejestr Statkow (PRS)</li> </ul>	No
Chinese Classification Society (CCS)	Yes; Available soon
Compass working clearance	5 m
Ambient conditions	
Suited for indoor use	Yes
Suited for outdoor use	Yes; Powder-coated, UV resistant
Ambient temperature during operation	
Operation (vertical installation)	
— For vertical installation, min.	-30 °C
— For vertical installation, max.	60 °C; (55 °C, see entry ID: 64847814)
Operation (max. tilt angle)	
— At maximum tilt angle, min.	-30 °C
— At maximum tilt angle, max.	50 °C
Operation (vertical installation, portrait format)	
— For vertical installation, min.	-30 °C
— For vertical installation, max.	50 °C
Operation (max. tilt angle, portrait format)	
— At maximum tilt angle, min.	-30 °C
— At maximum tilt angle, max.	45 °C
Ambient temperature during storage/transportation	

• min.	-30 °C
• min. • max.	-30 °C
Altitude during operation relating to sea level	
Installation altitude above sea level, max.	3 000 m; Depending on the operating temperature
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     WinCC Basic (TIA Portal)	No
WINCE Basic (TA Portal)     WinCE Comfort (TIA Portal)	No Yes; WinCC V13 SP1 Update 7 + HSP or higher
WinCC Advanced (TIA Portal)	Yes; WinCC V13 SP1 Update 7 + HSP of higher
WinCo Professional (TIA Portal)	Yes; WinCC V13 SP1 Update 7 + HSP or higher
Languages	
Online languages	
Number of online/runtime languages	32
Project languages	
<ul> <li>Languages per project</li> </ul>	32
Languages per project Functionality under WinCC (TIA Portal)	32
	32 Yes
Functionality under WinCC (TIA Portal)	
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser	
Functionality under WinCC (TIA Portal)         Libraries         Applications/options	Yes
Functionality under WinCC (TIA Portal) Libraries Applications/options • Web browser • Pocket Word • Pocket Excel	Yes Yes Yes Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer	Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player	Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer	Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit	Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts	Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner	Yes Yes Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner         • time-controlled	Yes Yes Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner         • time-controlled         • task-controlled	Yes Yes Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner         • time-controlled	Yes Yes Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner         • time-controlled         • task-controlled         Help system	Yes Yes Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner         • time-controlled         • task-controlled         Help system         • Number of characters per info text	Yes Yes Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner         • time-controlled         • task-controlled         Help system         • Number of characters per info text         Message system	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner         • time-controlled         • task-controlled         Help system         • Number of characters per info text         Message system         • Number of alarm classes	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner         • time-controlled         • task-controlled         Help system         • Number of characters per info text         Message system         • Number of alarm classes         • Bit messages	Yes Yes Yes Yes Yes Yes Yes Yes 70
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner         • time-controlled         • task-controlled         Help system         • Number of characters per info text         Message system         • Number of alarm classes         • Bit messages         - Number of bit messages         - Number of analog messages         - Number of analog messages	Yes Yes Yes Yes Yes Yes Yes Yes 70
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner         • time-controlled         • task-controlled         Help system         • Number of characters per info text         Message system         • Number of alarm classes         • Bit messages         - Number of bit messages         • Analog messages         - Number of analog messages         • S7 alarm number procedure	Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner         • time-controlled         • task-controlled         Help system         • Number of characters per info text         Message system         • Number of bit messages         - Number of bit messages         - Number of analog messages         • S7 alarm number procedure         • System messages HMI	Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner         • time-controlled         • task-controlled         Help system         • Number of characters per info text         Message system         • Number of alarm classes         • Bit messages         - Number of bit messages         • Analog messages         - Number of analog messages         • S7 alarm number procedure         • System event, more (SIMATIC S7, SINUMERIK,	Yes
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner         • time-controlled         • task-controlled         Help system         • Number of characters per info text         Message system         • Number of alarm classes         • Bit messages         - Number of bit messages         - Number of analog messages         • System messages HMI         • System event, more (SIMATIC S7, SINUMERIK, SIMOTION, )	Yes         Y
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner         • time-controlled         • task-controlled         Help system         • Number of characters per info text         Message system         • Number of alarm classes         • Bit messages         - Number of bit messages         - Number of analog messages         • System messages HMI         • System event, more (SIMATIC S7, SINUMERIK, SIMOTION, )         • Number of characters per message	Yes         70         32         4 000         200         Yes         80
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner         • time-controlled         • task-controlled         Help system         • Number of characters per info text         Message system         • Number of alarm classes         • Bit messages         - Number of bit messages         - Number of analog messages         • System messages HMI         • System event, more (SIMATIC S7, SINUMERIK, SIMOTION, )         • Number of characters per message	Yes         80         8
Functionality under WinCC (TIA Portal)         Libraries         Applications/options         • Web browser         • Pocket Word         • Pocket Excel         • PDF Viewer         • Media Player         • SIMATIC WinCC Sm@rtServer         • SIMATIC WinCC Audit         Number of Visual Basic Scripts         Task planner         • time-controlled         • task-controlled         Help system         • Number of characters per info text         Message system         • Number of alarm classes         • Bit messages         - Number of bit messages         - Number of analog messages         • System messages HMI         • System event, more (SIMATIC S7, SINUMERIK, SIMOTION, )         • Number of characters per message	Yes         70         32         4 000         200         Yes         80

Message buffer	4.004
— 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
Size of internal recipe memory	2 Mbyte
Recipe memory expandable	Yes
Variables	
Number of variables per device	2 048
<ul> <li>Number of variables per screen</li> </ul>	400
• Limit values	Yes
Multiplexing	Yes
Structures	Yes
Arrays	Yes
Images	
Number of configurable images	500
Permanent window/default	Yes
Global image	Yes
Image selection by PLC	Yes
Image number in the PLC	Yes
Image objects	
<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 <ul> <li>Number of complex objects per screen</li> </ul>	20
Alarm view	Yes
Trend view	Yes
User view	Yes
Status/control	Yes
Sm@rtClient view	Yes
Recipe view	Yes
• f(x) trend view	Yes
System diagnostics view	Yes
Media Player	Yes
IP camera display	Yes; Webcam type see FAQs
• Bar graphs	Yes
• Sliders	Yes
Pointer instruments	Yes
Analog/digital clock	Yes
Lists	
<ul> <li>Number of text lists per project</li> </ul>	500
Number of entries per text list	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
Number of entries per archive	20 000
Message archive	Yes

<ul> <li>Process value archive</li> </ul>	Yes
<ul> <li>Archiving methods</li> </ul>	
— Sequential archive	Yes
- Short-term archive	Yes
Memory location	
— Memory card	Yes
— USB memory	Yes
— Ethernet	Yes
<ul> <li>Data storage format</li> </ul>	
- CSV	Yes
— TXT	Yes
— RDB	Yes
Security	
<ul> <li>Number of user groups</li> </ul>	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
• Hardcopy	Yes
Electronic print to file	Yes; PDF, HTML
Character sets	
Keyboard fonts	
— US English	Yes
Transfer (upload/download)	
MPI/PROFIBUS DP	Yes
• USB	Yes
Ethernet	Yes
<ul> <li>using external storage medium</li> </ul>	Yes; Backup/restore
Process coupling  • S7-1200	Yes
Process coupling	
Process coupling • S7-1200	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 Yes
Process coupling • S7-1200 • S7-1500 • S7-200 • S7-300/400 • LOGO!	Yes Yes Yes Yes Yes
Process coupling • S7-1200 • S7-1500 • S7-200 • S7-300/400 • LOGO! • WinAC	Yes Yes Yes Yes Yes Yes
Process coupling • S7-1200 • S7-1500 • S7-200 • S7-300/400 • LOGO! • WinAC • SINUMERIK	Yes Yes Yes Yes Yes
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 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
Process coupling • S7-1200 • S7-1500 • S7-200 • S7-300/400 • LOGO! • WinAC • SINUMERIK • SINUMERIK • SIMOTION • Allen Bradley (EtherNet/IP) • Allen Bradley (DF1)	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package 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)	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package 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 Yes; with SINUMERIK option package Yes Yes Yes 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) • OMRON (FINS TCP)	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes No
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) • OMRON (FINS TCP) • OMRON (LINK/Multilink)	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes
Process coupling • S7-1200 • S7-1500 • S7-200 • S7-300/400 • LOGO! • WinAC • SINUMERIK • SINOTION • 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)	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package 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)	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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) • OPC UA Client	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) • OPC UA Client • OPC UA Server	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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 (MC TCP/IP) • Mitsubishi (FX) • OMRON (FINS TCP) • OMRON (LINK/Multilink) • Modicon (Modbus TCP/IP) • Modicon (Modbus) • OPC UA Client • OPC UA Server Service tools/configuration aids	Yes Yes 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) • OPC UA Client • OPC UA Server Service tools/configuration aids • Backup/Restore manually	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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) • Modicon (Modbus) • OPC UA Client • OPC UA Server Service tools/configuration aids • Backup/Restore manually • Backup/Restore automatically	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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) • Modicon (Modbus TCP/IP) • Modicon (Modbus) • OPC UA Client • OPC UA Server Service tools/configuration aids • Backup/Restore manually • Binulation	Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling <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> Service tools/configuration aids <ul> <li>Backup/Restore manually</li> <li>Simulation</li> <li>Device switchover</li> </ul>	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) 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	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) 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	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes No 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 (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 manually Simulation Device switchover Peripherals/Options Printer SIMATIC HMI MM memory card: Multi Media Card	Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Process coupling  S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) 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 SIMATIC HMI SD memory card: Secure Digital memory 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 (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 manually Simulation Device switchover Peripherals/Options Printer SIMATIC HMI MM memory card: Multi Media Card	Yes Yes Yes Yes Yes Yes; with SINUMERIK option package Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye

Subject to change without notice © Copyright Siemens

SIMATIC IPC USB Flashdrive (USB stick)	Yes
SIMATIC HMI USB stick	Yes
Network camera	Yes; See FAQ Entry ID: 62383298 and entry ID: 65647473
Accessories	
Expansion module	Optional e.g. USB RFID reader, see FAQ entry ID: 99808171
Further accessories are available	Yes; Mounting clips and 2-pin power supply connector
Mechanics/material	
Enclosure material (front)	
Plastic	No
Aluminum	Yes; Powder-coated, UV resistant
Stainless steel	No
Dimensions	
Width of the housing front	415 mm
Height of housing front	310 mm
Mounting cutout, width	396 mm
Mounting cutout, height	291 mm
Overall depth	77 mm
Weights	
Weight (without packaging)	4 kg
Weight (with packaging)	6.2 kg
Other	
Note:	Power, quantity structure and performance correspond to a standard 12" Comfort Panel

last modified:

10/7/2021 🖸