## SIEMENS

## Data sheet

## 6AV2144-8QC10-0AA1



SIMATIC HMI TP1500 Comfort INOX Stainless steel front, continuous decorative foil; Degree of protection front IP66K, 15" widescreen TFT display, PROFINET interface, MPI/PROFIBUS DP interface, 24 MB configuration memory, Windows CE 2013; Configurable from WinCC Comfort V14 SP1 with HSP

Figuresimilar

General information	
Product type designation	TP1500 Comfort INOX
Display	
Design of display	TFT
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
Vertical image resolution	800 pixel
Backlighting	
<ul> <li>MTBF backlighting (at 25 °C)</li> </ul>	80 000 h
<ul> <li>Backlight dimmable</li> </ul>	Yes; 0-100 %
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
<ul> <li>System keys</li> </ul>	No
<ul> <li>Numeric keyboard</li> </ul>	Yes; Onscreen keyboard
<ul> <li>alphanumeric keyboard</li> </ul>	Yes; Onscreen keyboard
Touch operation	
<ul> <li>Design as touch screen</li> </ul>	Yes
Expansions for operator control of the process	
<ul> <li>Direct keys (touch buttons as S7 input I/O)</li> </ul>	40
Installation type/mounting	
Mounting position	vertical
Mounting in portrait format possible	Yes
Mounting in landscape format possible	Yes
maximum permissible angle of inclination without external ventilation	35°
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V

Input current	
Current consumption (rated value)	1.7 A
Starting current inrush I <sup>2</sup> t	0.5 A <sup>2</sup> ·s
Power	0.077 0
Active power input, typ.	41 W
Processor	71 VV
	Voc
Processor type	X86
Memory	
Flash	Yes
RAM	Yes
Memory available for user data	24 Mbyte
Type of output	
	No
Power LED	No
Error LED Acoustics	No
Buzzer	No
	Yes
Speaker Time of day	
Clock	Yes
<ul> <li>Hardware clock (real-time)</li> <li>Software clock</li> </ul>	Yes
Sonware clock     retentive	
synchronizable	Yes; Back-up duration typically 6 weeks Yes
	1 65
Interfaces	2. 2 norte (quitab) Lindenandent nort
Number of industrial Ethernet interfaces Number of RS 485 interfaces	2; 2 ports (switch) + independent port 1; RS 422 / 485 combined
Number of RS 422 interfaces	0; together with RS 485
Number of RS 422 interfaces	0
Number of USB interfaces	2; USB 2.0
Number of 20 mA interfaces (TTY)	0
Number of parallel interfaces	0
Number of parallel interfaces	0
Number of SD card slots	2
With software interfaces	No
Industrial Ethernet	
<ul> <li>Industrial Ethernet status LED</li> </ul>	3
<ul> <li>Number of ports of the integrated switch</li> </ul>	2
Protocols	
PROFINET	Yes
Supports protocol for PROFINET IO	Yes
IRT	Yes
PROFIBUS	Yes
EtherNet/IP	Yes
MPI	Yes
Protocols (Ethernet)	
• TCP/IP	Yes
• DHCP	Yes
• SNMP	Yes
• DCP	Yes
• LLDP	Yes
WEB characteristics	
• HTTP	Yes
• HTTPS	Yes
• HTML	Yes
• XML	Yes
• CSS	Yes
Active X	Yes
JavaScript	Yes

	Na
• Java VM	No
Redundancy mode	
Media redundancy	N/
— MRP	Yes
Further protocols	
• CAN	No
MODBUS	Yes
Interrupts/diagnostics/status information	
Diagnoses	
Diagnostic information readable	Yes; S7 controller
EMC	
Emission of radio interference acc. to EN 55 011	
<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)	IP66K
IP (rear)	IP20
NEMA (front)	
<ul> <li>Enclosure Type 4 at the front</li> </ul>	No
<ul> <li>Enclosure Type 4x at the front</li> </ul>	Yes; indoor use only
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
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
<ul> <li>cULus Class I Zone 1</li> </ul>	No
<ul> <li>cULus Class I Zone 2, Division 2</li> </ul>	Yes
FM Class I Division 2	No
Marine approval	
<ul> <li>Germanischer Lloyd (GL)</li> </ul>	No; In application process
<ul> <li>American Bureau of Shipping (ABS)</li> </ul>	No; Available soon
<ul> <li>Bureau Veritas (BV)</li> </ul>	No; Available soon
<ul> <li>Det Norske Veritas (DNV)</li> </ul>	No; Available soon
<ul> <li>Korean Register of Shipping (KRS)</li> </ul>	No; Available soon
<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	No; Available soon
<ul> <li>Nippon Kaiji Kyokai (Class NK)</li> </ul>	No; Available soon
<ul> <li>Polski Rejestr Statkow (PRS)</li> </ul>	No; Available soon
Chinese Classification Society (CCS)	No; Available soon
Ambient conditions	
Suited for indoor use	Yes
Suited for outdoor use	No
Ambient temperature during operation	
Operation (vertical installation)	
— For vertical installation, min.	0°C
— For vertical installation, max.	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)	0.10
— At maximum tilt angle, min.	0°0

— At maximum tilt angle, max.	40 °C
A maximum in angle, max. Ambient temperature during storage/transportation	
min.	-20 °C
• max.	60 °C
Relative humidity	
Operation, max.	80 %; no condensation
Operating systems	
proprietary	No
pre-installed operating system	
Windows CE	Yes; Windows Embedded Compact 2013
configuration / header	
Message indicator	Yes
Alarm system (incl. buffer and acknowledgment)	Yes
Process value display (output)	Yes
Process value default (input) possible	Yes
Recipe management	Yes
Configuration software	No
<ul> <li>STEP 7 Basic (TIA Portal)</li> <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
WinCC Comfort (TIA Portal)	Yes; V14 SP1 HSP and higher
WinCC Advanced (TIA Portal)	Yes; V14 SP1 HSP and higher
WinCC Professional (TIA Portal)	Yes; V14 SP1 HSP and higher
Languages	
Online languages	
Number of online/runtime languages	32
Project languages	
<ul> <li>Languages per project</li> </ul>	32
Functionality under WinCC (TIA Portal)	
Libraries	Yes
Applications/options	
Web browser	Yes
Pocket Word	Yes
Pocket Excel     PDF Viewer	Yes
PDF Viewer     Media Player	Yes
SIMATIC WinCC Sm@rtServer	Yes
SIMATIC WINCC SINGITSEIVER     SIMATIC WINCC Audit	Yes
Number of Visual Basic Scripts	Yes
Task planner	
• time-controlled	Yes
task-controlled	Yes
Message system	
Number of alarm classes	32
Bit messages	
<ul> <li>Number of bit messages</li> </ul>	6 000
Analog messages	
— Number of analog messages	200
S7 alarm number procedure	Yes
System messages HMI     System event, more (SIMATIC S7, SINUMERIK)	Yes
• System event, more (SIMATIC S7, SINUMERIK, SIMOTION, )	Yes
Number of characters per message	80
Number of process values per message	8
Acknowledgment groups	Yes
Message indicator	Yes
Recipe management	

<ul> <li>Number of recipes</li> </ul>	500
<ul> <li>Data records per recipe</li> </ul>	1 000
<ul> <li>Entries per data record</li> </ul>	2 000
<ul> <li>Size of internal recipe memory</li> </ul>	4 Mbyte
<ul> <li>Recipe memory expandable</li> </ul>	Yes
Variables	
<ul> <li>Number of variables per device</li> </ul>	4 096
<ul> <li>Number of variables per screen</li> </ul>	400
Limit values	Yes
Multiplexing	Yes
Structures	Yes
Arrays	Yes
Images	
<ul> <li>Number of configurable images</li> </ul>	750
<ul> <li>Permanent window/default</li> </ul>	Yes
<ul> <li>Global image</li> </ul>	Yes
<ul> <li>Pop-up images</li> </ul>	Yes
<ul> <li>Slide-in images</li> </ul>	Yes
Image selection by PLC	Yes
Image number in the PLC	Yes
Image objects	
Number of objects per image	600
Text fields	Yes
● I/O fields	Yes
<ul> <li>Graphic I/O fields (graphics list)</li> </ul>	Yes
Symbolic I/O fields (text list)	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	40
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
HTML browser	Yes
PDF display	Yes
IP camera display	Yes
Bar graphs	Yes
Sliders	Yes
Pointer instruments	Yes
Analog/digital clock	Yes
Lists	
Number of text lists per project	500
Number of entries per text list	500
Number of graphics lists per project	500
Number of entries per graphics list	500
Archiving	
Number of archives per device	50
Number of antries per archive	50 000
Message archive	Yes
Process value archive	Yes
	1101

• Archiving methods	
Archiving methods     Seguential erability	Yes
— Sequential archive — Short-term archive	Yes
Memory location	Yes
	Mag
— Memory card	Yes
— USB memory	Yes
— Ethernet	Yes
Data storage format	
- CSV	Yes
— TXT	Yes
— RDB	Yes
Security	
Number of user groups	50
Number of user rights	32
Number of users	50
<ul> <li>Password export/import</li> </ul>	Yes
SIMATIC Logon	Yes
Logging through printer	
Alarms	Yes
<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 English	Yes
Transfer (upload/download)	
MPI/PROFIBUS DP	Yes
• USB	Yes
Ethernet	Yes
<ul> <li>using external storage medium</li> </ul>	Yes
Process coupling	
Process coupling  S7-1200	Yes
	Yes Yes
• S7-1200	
<ul> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> </ul>	Yes Yes Yes
• \$7-1200 • \$7-1500 • \$7-200	Yes Yes
<ul> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> </ul>	Yes Yes Yes
<ul> <li>S7-1200</li> <li>S7-1500</li> <li>S7-200</li> <li>S7-300/400</li> <li>LOGO!</li> </ul>	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> </ul>	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> </ul>	Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher
<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; With SINUMERIK option package as from WinCC V15 or higher 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> </ul>	Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher 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> </ul>	Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher 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> </ul>	Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher 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; With SINUMERIK option package as from WinCC V15 or higher Yes 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> <li>OMRON (FINS TCP)</li> </ul>	Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes 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> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> </ul>	Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes 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> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Modicon (Modbus TCP/IP)</li> </ul>	Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes 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> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Modicon (Modbus TCP/IP)</li> <li>Modicon (Modbus)</li> </ul>	Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes Yes Yes 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> <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; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes Yes No Yes No 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> <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; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes Yes No Yes No 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> <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> </ul>	Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
<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> </ul>	Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes Yes No Yes Yes Yes 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> <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>Backup/Restore automatically</li> </ul>	YesYesYesYesYes; With SINUMERIK option package as from WinCC V15 or higherYes; With SINUMERIK option package as from WinCC V15 or higherYes
<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>Backup/Restore automatically</li> <li>Simulation</li> <li>Device switchover</li> </ul>	Yes Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes Yes No Yes No Yes Yes Yes Yes Yes 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> <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>Backup/Restore automatically</li> <li>Simulation</li> <li>Device switchover</li> </ul>	Yes Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes Yes No Yes Yes Yes Yes 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> <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>Backup/Restore automatically</li> <li>Simulation</li> <li>Device switchover</li> </ul> Peripherals/Options	Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes Yes Yes Yes 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> <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>Backup/Restore automatically</li> <li>Simulation</li> <li>Device switchover</li> </ul> Peripherals/Options Printer SIMATIC HMI MM memory card: Multi Media Card	Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes Yes Yes Yes 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> <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>Backup/Restore automatically</li> <li>Simulation</li> <li>Device switchover</li> </ul> Peripherals/Options	Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes Yes 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> <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)</li> <li>OPC UA Client</li> <li>OPC UA Server</li> </ul> Service tools/configuration aids <ul> <li>Backup/Restore manually</li> <li>Backup/Restore automatically</li> <li>Simulation</li> <li>Device switchover</li> </ul> Peripherals/Options Printer SIMATIC HMI MM memory card: Multi Media Card SIMATIC HMI SD memory card: Secure Digital memory	Yes Yes Yes Yes; With SINUMERIK option package as from WinCC V15 or higher Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes

	_
USB memory	Yes
SIMATIC IPC USB Flashdrive (USB stick)	Yes; Up to 16 GB
SIMATIC HMI USB stick	Yes; Up to 8 GB
Network camera	Yes
Mechanics/material	
Enclosure material (front)	
Plastic	No
Aluminum	No
Stainless steel	Yes
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	74 mm
Weights	
Weight (without packaging)	5.9 kg

last modified:

10/7/2021 🖸