SIEMENS

Data sheet

6AV2124-0QC02-0AX1



SIMATIC HMI TP1500 Comfort, Comfort Panel, Touch operation, 15" widescreen TFT display, 16 million colors, PROFINET interface, MPI/PROFIBUS DP interface, 24 MB configuration memory, WEC 2013, configurable from WinCC Comfort V14 SP1 with HSP

General information	
Product type designation	TP1500 Comfort
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)	
 Horizontal image resolution 	1 280 pixel
Vertical image resolution	800 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; Analog-resistive
Expansions for operator control of the process	
 Direct keys (touch buttons as S7 input I/O) 	40
Installation type/mounting	
Mounting position	vertical
Mounting in portrait format possible	Yes
Mounting in landscape format possible	Yes
maximum permissible angle of inclination without external ventilation	35°
Supply voltage	
Type of 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
Current consumption (rated value) Starting current inrush I ² t	1.7 A 0.5 A ² ·s
Power	
	44.141
Active power input, typ.	41 W
Processor	
Processor type	X86
Memory	
Flash	Yes
RAM	Yes
Memory available for user data	24 Mbyte
Type of output	
Info LED	No
Power LED	No
Error LED	No
Acoustics	
• Buzzer	No
• Speaker	Yes
Time of day	
Clock	
 Hardware clock (real-time) 	Yes
 Software clock 	Yes
retentive	Yes; Back-up duration typically 6 weeks
 synchronizable 	Yes
Interfaces	
Number of industrial Ethernet interfaces	2; 2 ports (switch) + independent port
Number of RS 485 interfaces	1; RS 422 / 485 combined
Number of RS 422 interfaces	0; together with RS 485
Number of RS 232 interfaces	0
Number of USB interfaces	2; USB 2.0
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 	3
 Number of ports of the integrated switch 	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	N
• HTTP	Yes
• HTTPS	Yes
• HTML	Yes
• XML	Yes
• CSS	Yes
• Active X	Yes
• JavaScript	Yes
● Java VM	No

Redundancy mode	
Media redundancy	
- MRP	Yes
Further protocols	100
• 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	
Limit class A, for use in industrial areas	Yes
Limit class A, for use in industrial areas Limit class B, for use in residential areas	No
Degree and class of protection	INC
	IP65
IP (at the front) IP (rear)	IP20
	IF 20
NEMA (front) • Enclosure Type 4 at the front	Yes
 Enclosure Type 4 at the front Enclosure Type 4x at the front 	Yes
Standards, approvals, certificates	Vee
CE mark	Yes
CULus PCM (formarly C TICK)	Yes
RCM (formerly C-TICK)	Yes
KC approval EAC (formerly Gost-R)	Yes
Use in hazardous areas	Tes
ATEX Zone 2	Yes
ATEX Zone 22 ATEX Zone 22	Yes
IECEx Zone 2	Yes
IECEX Zone 22	Yes
cULus Class I Zone 1	No
• cULus Class I Zone 2, Division 2	Yes; For inscription on device rating plate
cULus Class I Division 2	No: Available soon
FM Class I Division 2	Yes; For inscription on device rating plate
FM Class I Division 2	No; Available soon
Marine approval	
Germanischer Lloyd (GL)	No
American Bureau of Shipping (ABS)	No
Bureau Veritas (BV)	No
Det Norske Veritas (DNV)	No
Korean Register of Shipping (KRS)	No
Lloyds Register of Shipping (IRS)	No
Nippon Kaiji Kyokai (Class NK)	No
 Polski Rejestr Statkow (PRS) 	No
Chinese Classification Society (CCS)	No
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; (55 °C, see entry ID: 64847814)
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)	
operation (max are angle, pertait format)	

— At maximum tilt angle, min.	0 °C
— At maximum tilt angle, max.	40 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
• Operation, max.	90 %; 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	
STEP 7 Basic (TIA Portal)	No
STEP 7 Professional (TIA Portal)	No
WinCC flexible Compact	No
WinCC flexible Standard	No
WinCC flexible Advanced	No
WinCC Basic (TIA Portal)	No
WinCC Comfort (TIA Portal)	Yes; 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	
 Languages per project 	32
Functionality under WinCC (TIA Portal)	
Librariaa	
Libraries	Yes
Libraries Applications/options	Yes
	Yes
Applications/options	
Applications/options Web browser 	Yes
Applications/options Web browser Pocket Word 	Yes Yes
Applications/options Web browser Pocket Word Pocket Excel 	Yes Yes Yes
Applications/options Web browser Pocket Word Pocket Excel PDF Viewer 	Yes Yes Yes Yes
Applications/options Web browser Pocket Word Pocket Excel PDF Viewer Media Player 	Yes Yes Yes Yes
Applications/options • Web browser • Pocket Word • Pocket Excel • PDF Viewer • Media Player • SIMATIC WinCC Sm@rtServer	Yes Yes Yes Yes Yes
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
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
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
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
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
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 Message system	Yes Yes Yes Yes Yes Yes Yes Yes Yes
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 • Number of alarm classes	Yes Yes Yes Yes Yes Yes Yes Yes Yes
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 • Number of alarm classes • Bit messages — Number of bit messages • Analog messages	Yes Yes Yes Yes Yes Yes Yes Yes Yes
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 • Number of alarm classes • Bit messages — Number of bit messages	Yes Yes Yes Yes Yes Yes Yes Yes Yes
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 • Number of alarm classes • Bit messages — Number of bit messages • Analog messages	Yes Yes Yes Yes Yes Yes Yes Yes 32 6 000
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 Message system • Number of alarm classes • Bit messages - Number of bit messages • Analog messages - Number of analog messages	Yes Yes Yes Yes Yes Yes Yes Yes 32 6 000 200
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 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 Yes Yes Yes Yes Yes Yes Yes 32 6 000 200 Yes
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 • task-controlled Message system • Number of alarm classes • Bit messages • Number of bit messages • Analog messages • Analog messages • S7 alarm number procedure • System messages HMI • System event, more (SIMATIC S7, SINUMERIK, SIMOTION,)	Yes Yes Yes Yes Yes Yes Yes Yes Yes 200 Yes Yes Yes Yes Yes
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 Message system • Number of alarm classes • Bit messages • Number of bit messages • Analog messages • Analog messages • S7 alarm number procedure • System messages HMI • System event, more (SIMATIC S7, SINUMERIK, SIMOTION,) • Number of characters per message	Yes Yes Yes Yes Yes Yes Yes Yes 32 6 000 200 Yes Yes Yes Yes Yes Yes
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 Message system • Number of alarm classes • Bit messages • Number of bit messages • Analog messages • Analog messages • Number of analog messages • S7 alarm number procedure • System messages HMI • System event, more (SIMATIC S7, SINUMERIK, SIMOTION,) • Number of characters per message • Number of process values per message	Yes Yes Yes Yes Yes Yes Yes Yes 32 6 000 200 Yes Yes Yes Solution Yes Yes Yes Solution Yes Yes Yes
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 • task-controlled Message system • Number of alarm classes • Bit messages • Number of bit messages • Analog messages • Analog messages • S7 alarm number procedure • System messages HMI • System event, more (SIMATIC S7, SINUMERIK, SIMOTION,) • Number of characters per message	Yes Yes Yes Yes Yes Yes Yes Yes 200 Yes Yes 80

Pacina managament	
Recipe management	500
Number of recipes	500
Data records per recipe	1 000
Entries per data record	2 000
Size of internal recipe memory	4 Mbyte Yes
Recipe memory expandable Variables	Tes
Number of variables per device	4 096
Number of variables per screen	400
Limit values	Yes
Multiplexing	Yes
Structures	Yes
Arrays	Yes
Images	
Number of configurable images	750
Permanent window/default	Yes
Global image	Yes
Pop-up images	Yes
Slide-in images	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
 Graphic I/O fields (graphics list) 	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
Sm@rtClient viewRecipe view	
 Sm@rtClient view Recipe view f(x) trend view 	Yes Yes Yes
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view 	Yes Yes Yes
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view Media Player 	Yes Yes Yes Yes
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view Media Player HTML browser 	Yes Yes Yes Yes Yes
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view Media Player HTML browser PDF display 	Yes Yes Yes Yes Yes
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view Media Player HTML browser PDF display IP camera display 	Yes Yes Yes Yes Yes Yes
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view Media Player HTML browser PDF display IP camera display Bar graphs 	Yes Yes Yes Yes Yes Yes Yes
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view Media Player HTML browser PDF display IP camera display Bar graphs Sliders 	Yes Yes Yes Yes Yes Yes Yes
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view Media Player HTML browser PDF display IP camera display Bar graphs Sliders Pointer instruments 	Yes Yes Yes Yes Yes Yes Yes Yes
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view Media Player HTML browser PDF display IP camera display Bar graphs Sliders Pointer instruments Analog/digital clock 	Yes Yes Yes Yes Yes Yes Yes
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view Media Player HTML browser PDF display IP camera display Bar graphs Sliders Pointer instruments Analog/digital clock 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view Media Player HTML browser PDF display IP camera display Bar graphs Sliders Pointer instruments Analog/digital clock Lists Number of text lists per project 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view Media Player HTML browser PDF display IP camera display Bar graphs Sliders Pointer instruments Analog/digital clock Lists Number of text lists per project Number of entries per text list 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view Media Player HTML browser PDF display IP camera display Bar graphs Sliders Pointer instruments Analog/digital clock Lists Number of text lists per project Number of entries per text list Number of graphics lists per project 	Yes So0 So0 So0
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view Media Player HTML browser PDF display IP camera display Bar graphs Sliders Pointer instruments Analog/digital clock Lists Number of text lists per project Number of graphics lists per project Number of entries per graphics list 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view Media Player HTML browser PDF display IP camera display Bar graphs Sliders Pointer instruments Analog/digital clock Lists Number of text lists per project Number of entries per text list Number of graphics lists per project Number of entries per graphics list 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view Media Player HTML browser PDF display IP camera display Bar graphs Sliders Pointer instruments Analog/digital clock Lists Number of text lists per project Number of entries per text list Number of graphics lists per project Number of entries per graphics list 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 Sm@rtClient view Recipe view f(x) trend view System diagnostics view Media Player HTML browser PDF display IP camera display Bar graphs Sliders Pointer instruments Analog/digital clock Lists Number of text lists per project Number of entries per text list Number of graphics lists per project Number of entries per graphics list 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes

 Process value activity Ves Archiving methods Sequential archive Yes Memory location Memory location USB memory Ves Olds atorge format CSV Yes Olds atorge format CSV Yes Number of user groups Networks Yes Number of user groups Yes Hardoopy Yes Use of the memory Yes Use of the memory Yes Use of the memory Yes Standard or group medium Yes Yes Standard or group medium Yes Number (Noths) Yes Number (Noths) Yes Number (Noths)		
 Sequential archive Security Memory location Memory card Ves USB memory Ethernet CSV Yes Ethernet CSV Yes FAT Yes Author of user groups So Number of user groups So Some of users Some of users	 Process value archive 	Yes
 Short-term archive Yes Memory location Memory location USB memory USB memory Yes USB memory Yes USB memory Yes USB memory Yes Olda storage format - CSV Yes - RDB Yes Number of user groups Socurity Number of user groups Socurity Number of user groups Socurity Yes Report (shift log) Yes Report (shift log) Yes Electronic print of file Yes Report (shift log) Yes Electronic print of file Yes Hardcopy Yes Ves Usaging investign and the storage medium Yes 	-	
• Memory location·- Memory cardYes- USB memoryYes- EthemetYes• Data storage format·- CSVYes- RDBYes- RDBYes- RDBYes- RDBSecurity• Number of user groups50• SIMATIC LogonYes• SimATIC LogonYes• SimATIC LogonYes• Report (shift log)Yes• HardcopyYes• Electronic print to fileYes• Electronic print to fileYes• Mir/PROFILUS DPYes• Mir/PROFILUS DPYes• Sing external storage mediumYes• Sing extern		
- Memory and Yes - Usin memory Yes - Ethernet Yes - Data storage format - CSV Yes - TXT Yes - TXT Yes - RDB Yes Security • Number of user rupits 22 • Number of user groups 50 • Number of user groups 70 • Password export/import Yes • Degram through printer - Alarms Yes • Report (shift log) Yes • Electronic print of lie Yes PDF, HTML • Markopy Yes • Electronic print of lie Yes • Transfer (uploadidownload) • MYIPROFIBUS DP Yes • USB Yes • USB Yes • USB Yes • S7-1500 Yes • S7-1500 Yes • S7-1500 Yes • S7-1500 Yes • S7-200 Yes • ST-1500 Yes • SINUMERIK Yes: With SINUMERIK option package as from WinCC V15 or higher • Minacbin (MC TOPIP) Yes • Modicon (Modbus TOPIP) Yes • Modicon (M		Yes
− USB memory Yes − Ethemet Yes − CSV Yes − TXT Yes − RDB Yes Security 50 • Number of user groups 50 • Number of users 50 • Report of users 50 • SIMATIC Logon Yes • Signatic Logon Yes • Report (shift log) Yes • Hardcopy Yes • Report (shift log) Yes • Report (shift log) Yes • Electonic print to file Yes: PDF, HTML Character sets - • Keyboard fonts - - US English Yes • USB Yes • USB Yes • ST-1500 Yes • S7-1500 Yes • S7-1500 Yes • S7-300400 Yes • S7-300400 Yes • S7-300400 Yes • SNUMERIK Yes • SNUMERIK Yes • Misubicht (KTOPIP) Yes • Mien Bradley (DF1) Yes	Memory location	
- Ehemet Yes - CSV Yes - TXT Yes - RDB Yes Security 50 • Number of user groups 50 • Number of users 50 • Number of users 50 • Password expont/import Yes • SilMATIC Logon Yes • Sampa Yes • Rams Yes • Report (shift log) Yes • Report of users 50 • Number of users 50 • Namber of users 50 • Password expont/import Yes • SilMATIC Logon Yes • Report (shift log) Yes • Logging through printer • Alarms • Alarms Yes • Electronic print to file Yes • Electronic print to file Yes • Tarrisfer (uploaddownload) - • Tarrisfer (uploaddownload) - • Stribus Yes • USB Yes • USB Yes • Stribus Yes	— Memory card	Yes
 Data storage format CSV Yes RoB Yes RoB Yes Number of user groups S0 Number of user groups S0 S0MUTC Logon Yes S0MUTC Logon Yes S0MUTE Composition Yes Electronic print to file Yes, PDF, HTML Character sets Electronic print to file Yes, PDF, HTML Character sets Transfer (uploaddownload) Yes USB Yes USB Yes USB Yes USB Yes USB Yes S7-1500 Yes S7-1500 Yes S7-300A0 Yes S7-300A0 Yes S7-300A0 Yes S7-300A0 Yes S7-300A0 Yes S7-300A0 Yes S1NUMERIK Yes S1NUMERIK Yes Number (INS TCP) Yes Misubishi (KC TCP/IP) Yes Misubishi (KC TCP/IP) Yes Misubishi (KC TCP/IP) Yes Misubishi (FX) Yes Modicon (Modbus TCP/IP) Yes Modicon (Modbus TCP/IP) Yes Modicon (Modbus TCP/IP) <l< td=""><td>— USB memory</td><td>Yes</td></l<>	— USB memory	Yes
- CSV Yes - TXT Yes Security 50 • Number of user groups 50 • Number of user groups 50 • Number of users 50 • Password exportinpot Yes • Dognet fravourd exportinpot Yes • Cognet fravourd exportinpot Yes • Cagnet fravourd exportinpot Yes • Cagnet fravourd exportinpot Yes • Hardcopy Yes • Electronic print to file Yes • Character sets US English • Keyboard fonts US English - USB Yes • USB Yes • USB Yes • USB Yes • ST-1200 Yes • SIMOTION Yes • SIMOTION Yes	— Ethernet	Yes
- TXT Yes - R0B Yes Security 50 • Number of user groups 50 • Number of user ights 32 • Number of user ights 50 • Number of user ights 50 • Number of users 50 • Number of users 50 • SIMMTIC Lopon Yes Loging through printer - • Alarms Yes • Report (shift log) Yes • Electroic print to file Yes • Electroic print for file Yes • Electroic print to file Yes • UsB Yes • UsB Yes • UsB Yes • UsB Yes • ST-1500 Yes • ST-1500 Yes • ST-1500 Yes • ST-1600 Yes • SIMOTION Yes • SIMOTION Yes • SIMOTION Yes • Allen Bradley (EfterNet/IP) Yes • Allen Bra	 Data storage format 	
— RDB Yes Security 50 • Number of user groups 50 • Number of users 50 • Password export/inport Yes • Password export/inport Yes • Dagme through printer - • Alarms Yes • Report (shift log) Yes • Hardcoopy Yes • Hardcoopy Yes • Electronic print to file Yes; PDF, HTML Character sets - • Keyboard forts - - US English Yes • USB Yes • S7:1200 Yes • S7:200 Yes • S7:200 Yes • S7:200 Yes • SINUMERIK Yes; NUMERIK option package as from WinCC V15 or higher • SINUMERIK Yes • Allen Bradley (EherNet/IP) Yes	— CSV	Yes
Security 50 Number of user groups 50 Number of users 32 Number of users 50 Peasword export/import Yes SIMATIC Logon Yes Iogging through printer Yes Alarms Yes Report (shift log) Yes Hardcopy Yes Electoric print to file Yes (PDF, HTML Chardeer sets	— TXT	Yes
• Number of user groups 50 • Number of user inghts 32 • Number of users 50 • Password export/import Yes • Cogning through printer Yes • Alarms Yes • Report (shift log) Yes • Hardcopy Yes • Electronic print to file Yes. • Character sets - • Keyboard fonts - - US English Yes • MPUPROFIBUS DP Yes • USB Yes • Enternet Yes • S7-1200 Yes • S7-1200 Yes • S7-200 Yes • S7-300400 Yes • S7-300400 Yes • S7-300400 Yes • S7-300400 Yes • SiNOTION Yes • SiNOTION Yes • Allen Bradley (CFherNet/IP) Yes • Allen Bradley (CF1) Yes • Mitsubishi (FX) Yes • Modicon (Modbus) Yes • Modicon (Modbus) Yes • OPC	— RDB	Yes
Number of user rights32Number of users50Password export/importYesSIMATIC LogonYesLogging through printerYesAlarmsYesAlarmsYesHardcopyYesHardcopyYesElectronic print of fileYes, PDF, HTMLCharacter sets- Us EnglishYes-MPIPROFIBUS DPYesUSBYesElectronic print of fileYesUSBYesUSBYesUSBYesS7-1500YesS7-1500YesS7-7500YesS7-7500YesS7-7500YesS7-7500YesS7-7500YesS7-7500YesS7-7500YesS7-7500YesS7-7500YesS7-7500YesS7-7500YesS7-7500YesS7-7500YesS7-7500YesS1NUMERIKYes, With SINUMERIK option package as from WinCC V15 or higherSINOTIONYesAllen Bradley (EtherNet/IP)YesAllen Bradley (EtherNet/IP)YesAllen Bradley (EtherNet/IP)YesAllen Bradley (EtherNet/IP)YesAllen Bradley (DF1)YesMitsubish (KT CTP/IP)YesMitsubish (KT CTP/IP)YesModicon (Modbus)CP/IP)Allen Bradley (DF1)YesModicon (Modbus) <t< td=""><td>Security</td><td></td></t<>	Security	
• Number of users50• Password export/importYesLogging through pinter	 Number of user groups 	50
Password export/importYes• SIMATIC LogonYesLogging through printer• AlarmsYes• Report (shift log)Yes• HardcopyYes• Electronic print to fileYes, PDF, HTMLCharacter sets• Keyboard fonts US EnglishYes• MPUPROFIBUS DPYes• USBYes• USBYes• USBYes• USBYes• USBYes• USBYes• SoftAdomoladiYes• SiNUMERIKYes• Minubishi (MC TCP/IP)Yes• Allen Bradley (DF1)Yes• Mitsubishi (MC TCP/IP)Yes• Mitsubishi (MC TCP/IP)Yes• Modicon (Modbus)Yes• Modicon (Modbus)Yes• OPC UA ServerYes• Dort Cu A ServerYes• Service tools/configuration aidsYes• Device switchoverYes• Device switchoverYes	 Number of user rights 	32
• SIMATIC LogonYesLogging through printerYes• AlarmsYes• Report (shift log)Yes• HardcopyYes• Electronic print to fileYes; PDF, HTMLCharacter sets• US EnglishYes• USE EnglishYes• USBYes• Using external slorage mediumYesProcess couplingYes• S7-1200Yes• S7-200Yes• S7-300/400Yes• UCCOIYes• UNACYes• UNACYes• MinACYes• MinALERIKYes, With SINUMERIK option package as from WinCC V15 or higher• SIMOTIONYes• Allen Bradley (DFI)Yes• Mitsubishi (FX)Yes• Mitsubishi (FX)Yes• Mitsubishi (FX)Yes• Mitsubishi (FX)Yes• Modicon (Modbus)Yes• OPC UA ServerYes• Backup/Restore automaticallyYes• Backup/Restore automaticallyYes• Backup/Restore automaticallyYes• Backup/Restore automaticallyYes• Device switchoverYes	Number of users	50
Logging through printer Yes • Alarms Yes • Report (shift log) Yes • Hardcopy Yes • Electronic print to file Yes/PDF, HTML Character sets	 Password export/import 	Yes
Logging through printer Yes • Alarms Yes • Report (shift log) Yes • Hardcopy Yes • Electronic print to file Yes/PDF, HTML Character sets		Yes
• AlarmsYes• Report (shift log)Yes• BiardcopyYes• Electronic print to fileYes; PDF, HTMLCharacter sets-• US EnglishYesTransfer (upload/download)Yes• USBYes• USAYes• USAYes• USAYes• UNACYes• S7-200Yes• UNACYes• UNACYes• UNACYes• UNACYes• UNACYes• Allen Bradley (EtherNet/IP)Yes• Allen Bradley (DF1)Yes• Mitsubishi (KC TCP/IP)Yes• Mitsubishi (FX)Yes• OMRCN (LINKMuttilink)Yes• OMRCN (LINKMuttilink)Yes• OMRCN (LINKMuttilink)Yes• OMRCN (LINKMuttilink)Yes• OPC UA ServerYes• Backup/Restore autom	_	
Hardcopy Yes Electronic print to file Yes, PDF, HTML Character sets — US English Yes Transfer (upload/download) MPUPROFIBUS DP Yes USB Yes USB Yes Ethernet Yes Process coupling Yes S7.1200 Yes S7.200 Yes S7.300/400 Yes S1NUMERIK Yes SIMOTION Yes NinAC Yes NinAC Yes NinAC Yes NinAC Yes NinAC Yes Non Mitsubishi (KC TCP/IP) Yes Mitsubishi (KC TCP/IP) Yes Modicon (Modbus TCP/IP) Yes Backup/Restore automaticality		Yes
Hardcopy Yes Electronic print to file Yes, PDF, HTML Character sets — US English Yes Transfer (upload/download) MPUPROFIBUS DP Yes USB Yes USB Yes Ethernet Yes Process coupling Yes S7.1200 Yes S7.200 Yes S7.300/400 Yes S1NUMERIK Yes SIMOTION Yes NinAC Yes NinAC Yes NinAC Yes NinAC Yes NinAC Yes Non Mitsubishi (KC TCP/IP) Yes Mitsubishi (KC TCP/IP) Yes Modicon (Modbus TCP/IP) Yes Backup/Restore automaticality	Report (shift log)	Yes
• Electonic print to file Yes; PDF, HTML Character sets		
Character sets • Keyboard fonts US English Yes Transfer (upload/download) • MPI/PROFIBUS DP • USB • USB • USB • Using external storage medium Yes • Using external storage medium Yes • Using external storage medium Yes • Sing external storage medium Yes • Sing external storage medium Yes • S7-1200 Yes • S7-200 Yes • S7-200 Yes • S7-300/400 Yes • SINUMERIK Yes • SINUMERIK Yes • Allen Bradley (DF1) Yes • Allen Bradley (DF1) Yes • Mitsubishi (KC TOP/IP) Yes • Modicon (Modbus Yes • OMRON (FINS TCP) • Modicon (Modbus • OPC UA Client • OPC UA Screer Se		
• Keyboard fonts US English US English Yes • MP/PROFIBUS DP Yes • USB Yes • USB Yes • USB Yes • Using external storage medium Yes Process coupling		
Use EnglishYesTransfer (upload/download)Image: Image: I		
Transfer (upload/download)• MPI/PROFIBUS DPYes• USBYes• USBYes• EthernetYes• using external storage mediumYesProcess couplingYes• \$7-1200Yes• \$7-1500Yes• \$7-200Yes• \$7-300/400Yes• UGG0!Yes• WinACYes• SINUMERIKYes; With SINUMERIK option package as from WinCC V15 or higher• SINUMERIKYes• Allen Bradley (EtherNet/IP)Yes• Allen Bradley (DF1)Yes• Mitsubishi (KC TCP/IP)Yes• Mitsubishi (FX)Yes• OMRON (FINS TCP)No• OMRON (CliNK/Multilink)Yes• Modicon (Modbus)Yes• OPC UA ServerYes• Backup/Restore manuallyYes• Backup/Restore manuallyYes• Device switchoverYes• Device switchoverYes		Yes
• MPI/PROFIBUS DPYes• USBYes• USBYes• Using external storage mediumYes• Process couplingYes• S7-1200Yes• S7-1200Yes• S7-1500Yes• S7-300/400Yes• COGO!Yes• UARCYes• WinACYes• SINUMERIKYes; With SINUMERIK option package as from WinCC V15 or higher• SINUMERIKYes• Allen Bradley (EtherNet/IP)Yes• Allen Bradley (DF1)Yes• Mitsubishi (PX)Yes• Mitsubishi (FX)Yes• OMRON (LINK/Multilink)Yes• Modicon (Modbus)Yes• OPC UA ClientYes• OPC UA ClientYes• Backup/Restore manuallyYes• Backup/Restore automaticallyYes• Device switchoverYes		
• USBYes• EthernetYes• using external storage mediumYesProcess couplingYes• \$7-1200Yes• \$7-1200Yes• \$7-200Yes• \$7-200Yes• \$7-200Yes• \$7-200Yes• \$7-200Yes• UGG0!Yes• WinACYes• SINUMERIKYes; With SINUMERIK option package as from WinCC V15 or higher• SIMOTIONYes• Allen Bradley (EtherNet/IP)Yes• Allen Bradley (DF1)Yes• Mitsubishi (KC TCP/IP)Yes• Mitsubishi (KC TCP/IP)Yes• MMRON (INK/Muttilink)Yes• OMRON (LINK/Muttilink)Yes• OPC UA ClientYes• OPC UA ServerYes• DOPC UA ServerYes• Backup/Restore manuallyYes• Backup/Restore automaticallyYes• Device switchoverYes		Yes
• EthernetYes• using external storage mediumYesProcess couplingYes• S7-1200Yes• S7-1500Yes• S7-200Yes• S7-300/400Yes• LOGO!Yes• WinACYes• SINUMERIKYes; With SINUMERIK option package as from WinCC V15 or higher• SINOTIONYes• Allen Bradley (EtherNet/IP)Yes• Allen Bradley (EtherNet/IP)Yes• Mitsubishi (MC TCP/IP)Yes• Mitsubishi (MC TCP/IP)Yes• OMRON (FINS TCP)No• OMRON (LINK/Multilink)Yes• Modicon (Modbus)Yes• OPC UA ClientYes• OPC UA ServerYes• Backup/Restore manuallyYes• Backup/Restore manuallyYes• Device switchoverYes• Device switchoverYes		
• using external storage mediumYesProcess coupling• \$7-1200Yes• \$7-1200Yes• \$7-1500Yes• \$7-200Yes• \$7-300/400Yes• LOGO!Yes• WinACYes• WinACYes• SINUMERIKYes; With SINUMERIK option package as from WinCC V15 or higher• SINOTIONYes• Allen Bradley (EtherNet/IP)Yes• Allen Bradley (DF1)Yes• Mitsubishi (MC TCP/IP)Yes• Mitsubishi (FX)Yes• OMRON (LINK/Multilink)Yes• Modicon (Modbus TCP/IP)Yes• Modicon (Modbus)Yes• OPC UA ClientYes• OPC UA ServerYes• Backup/Restore manuallyYes• Backup/Restore automaticallyYes• Device switchoverYes		
Process coupling • \$7-1200 Yes • \$7-1200 Yes • \$7-1500 Yes • \$7-500 Yes • \$7-300/400 Yes • LOGO! Yes • WinAC Yes • SINUMERIK Yes; With SINUMERIK option package as from WinCC V15 or higher • SIMOTION Yes • Allen Bradley (EtherNet/IP) Yes • Allen Bradley (DF1) Yes • Mitsubishi (MC TCP/IP) Yes • Mitsubishi (FX) Yes • OMRON (FINS TCP) No • OMRON (KINS TCP) No • OMRON (LINK/Multilink) Yes • Modicon (Modbus TCP/IP) Yes • OPC UA Client Yes • OPC UA Server Yes • Service tools/configuration aids Yes Service tools/configuration aids Yes • Backup/Restore automatically Yes • Simulation Yes		
• S7-1200Yes• S7-1500Yes• S7-200Yes• S7-300/400Yes• LOGO!Yes• LOGO!Yes• WinACYes• SINUMERIKYes; With SINUMERIK option package as from WinCC V15 or higher• SIMOTIONYes• 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• Modicon (Modbus)Yes• OPC UA ClientYes• OPC UA ServerYes• Backup/Restore manuallyYes• Backup/Restore automaticallyYes• Device switchoverYes		
S7-1500Yes• S7-200Yes• S7-300/400Yes• LOGO!Yes• WinACYes• WinACYes• SINUMERIKYes; With SINUMERIK option package as from WinCC V15 or higher• SINOTIONYes• Allen Bradley (EtherNet/IP)Yes• Allen Bradley (DF1)Yes• Mitsubishi (MC TCP/IP)Yes• Mitsubishi (MC TCP/IP)Yes• OMRON (FINS TCP)No• OMRON (LINK/Multilink)Yes• Modicon (Modbus)Yes• OPC UA ClientYes• OPC UA ServerYes• Backup/Restore manuallyYes• Backup/Restore manuallyYes• Device switchoverYes		Voc
• S7-200Yes• S7-300/400Yes• LOGO!Yes• VinACYes• SINUMERIKYes; With SINUMERIK option package as from WinCC V15 or higher• SINUTIONYes• Allen Bradley (EtherNet/IP)Yes• Allen Bradley (DF1)Yes• Mitsubishi (MC TCP/IP)Yes• Mitsubishi (MC TCP/IP)Yes• OMRON (FINS TCP)No• OMRON (LINK/Multilink)Yes• Modicon (Modbus TCP/IP)Yes• Modicon (Modbus)Yes• OPC UA ClientYes• OPC UA ClientYes• OPC UA ServerYes• Backup/Restore manuallyYes• Backup/Restore automaticallyYes• SimulationYes• Device switchoverYes		
\$7-300/400YesLOGO!YesWinACYes\$INUMERIKYes; With SINUMERIK option package as from WinCC V15 or higher\$INUMERIKYes; With SINUMERIK option package as from WinCC V15 or higher\$IMOTIONYesAllen Bradley (EtherNet/IP)YesAllen Bradley (DF1)YesMitsubishi (MC TCP/IP)YesMitsubishi (FX)YesOMRON (FINS TCP)NoOMRON (LINK/Multilink)YesModicon (Modbus)YesOPC UA ClientYesOPC UA ServerYesService tools/configuration aidsYesBackup/Restore automaticallyYesSimulationYesDevice switchoverYes		
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• SIMOTIONYes• 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• Modicon (Modbus TCP/IP)Yes• Modicon (Modbus)Yes• OPC UA ClientYes• OPC UA ServerYes• Backup/Restore manuallyYes• Backup/Restore automaticallyYes• SimulationYes• Device switchoverYes		
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Mitsubishi (MC TCP/IP)YesMitsubishi (FX)YesOMRON (FINS TCP)NoOMRON (LINK/Multilink)YesModicon (Modbus TCP/IP)YesModicon (Modbus)YesOPC UA ClientYesOPC UA ServerYesService tools/configuration aidsYesBackup/Restore manuallyYesSimulationYesOPcice switchoverYesYesYesOPC UA ServerYesYesYesService tools/configuration aidsYes <td></td> <td></td>		
Mitsubishi (FX)YesOMRON (FINS TCP)NoOMRON (LINK/Multilink)YesModicon (Modbus TCP/IP)YesModicon (Modbus)YesOPC UA ClientYesOPC UA ServerYesService tools/configuration aidsYesBackup/Restore manuallyYesBackup/Restore automaticallyYesSimulationYesOPcice switchoverYes		
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• OMRON (LINK/Multilink)Yes• Modicon (Modbus TCP/IP)Yes• Modicon (Modbus)Yes• OPC UA ClientYes• OPC UA ServerYes• OPC UA ServerYes• Backup/Restore manuallyYes• Backup/Restore automaticallyYes• SimulationYes• Device switchoverYes		
• Modicon (Modbus TCP/IP)Yes• Modicon (Modbus)Yes• OPC UA ClientYes• OPC UA ServerYes• OPC UA ServerYes• Backup/Restore manuallyYes• Backup/Restore automaticallyYes• SimulationYes• Device switchoverYes		
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• OPC UA ServerYesService tools/configuration aids• Backup/Restore manuallyYes• Backup/Restore automaticallyYes• SimulationYes• Device switchoverYes		
Service tools/configuration aids • Backup/Restore manually Yes • Backup/Restore automatically Yes • Simulation Yes • Device switchover Yes		
• Backup/Restore manuallyYes• Backup/Restore automaticallyYes• SimulationYes• Device switchoverYes		Yes
• Backup/Restore automatically Yes • Simulation Yes • Device switchover Yes	-	
Simulation Yes Device switchover Yes		
Device switchover Yes	 Backup/Restore automatically 	Yes
	Simulation	Yes
Peripherals/Options	Device switchover	Yes
	Peripherals/Options	
Printer Yes	Printer	Yes
SIMATIC HMI MM memory card: Multi Media Card Yes; Up to 128 MB	SIMATIC HMI MM memory card: Multi Media Card	Yes; Up to 128 MB
SIMATIC HMI SD memory card: Secure Digital memory Yes; Up to 2 GB		
card		

SIMATIC HMI CF memory card Compact Flash Card	No
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	Yes
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	75 mm
Weights	
Weight (without packaging)	4.4 kg
last modified:	10/7/2021 🖸

Pobrano z : https://panele-hmi.pl/panel-operatorski-hmi-15-tp1500-comfort-siemens-6av2124-0qc02-0ax1