6AV2124-0QC24-0AB0

SIEMENS

Data sheet



SIMATIC HMI TP1500 Comfort Pro, support arm, neutral front, 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 PRO |
| Display | |
| Design of display | TFT |
| Screen diagonal | 15.6 in |
| Display width | 344.2 mm |
| Display height | 193.5 mm |
| Number of colors | 16 777 216 |
| Resolution (pixels) | |
| Horizontal image resolution | 1 366 pixel |
| Vertical image resolution | 768 pixel |
| Backlighting | |
| MTBF backlighting (at 25 °C) | 50 000 h |
| Backlight dimmable | Yes; 0-100 % |
| Control elements | |
| Keyboard fonts | |
| Keys with LED | No |
| System keys | No |
| Numeric keyboard | Yes; Onscreen keyboard |
| alphanumeric keyboard | Yes; Onscreen keyboard |
| Touch operation | |
| Design as touch screen | Yes; Projective-capacitive |
| Expansions for operator control of the process | |
| Direct keys (touch buttons as S7 input I/O) | 40 |
| Installation type/mounting | |
| Mounting | Support arm |
| Mounting position | vertical |
| Mounting in portrait format possible | No |
| 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) | 1.5 A |
| Starting current inrush I2t | 0.5 A²-s |
| Power | |
| Active power input, typ. | 36 W |

| Processor type X88 | Processor | |
|--|--|---|
| Flash | Processor type | X86 |
| Flash | | |
| Memory available for user data 24 Mbyte 1978 of Output 1978 of Out | Flash | Yes |
| Memory available for user data 24 Mbyte 1978 of Output 1978 of Out | | |
| Type of output | Memory available for user data | 24 Mbyte |
| Info LED | | |
| Power LED Fror LED No No Acoustics • Buzzer No • Spasker Yes **Time of day Clock • Hardware clock (resi-time) • Schware clock • Hardware clock • Tehenthy • Schware clock • Tehenthy • Schware clock • Tehenthy • Schware clock • Tehenthy • Yes • Sack-up duration typically 6 weeks • retenthy • Synchronzable Tehenthy • Synchronzable Tehenthy • Yes Tehenthy Tehenthy | | No |
| Error LED No Acoustics | | |
| Acoustics Buzzer | | |
| Buzzer | | INU |
| | | No |
| Time of day | | |
| Cicick | · | Yes |
| | | |
| Software clock retentive retentive synchronizable retentive synchronizable Interfaces Number of industrial Ethernet interfaces Number of RS 485 interfaces 1. RS 422/ 485 combined Number of RS 425 interfaces 0. together with RS 485 Number of RS 222 interfaces 0. together with RS 485 Number of RS 222 interfaces 0. together with RS 485 Number of RS 223 interfaces 0. together with RS 485 No industrial Ethernet status LED indus | | |
| • retentive | Hardware clock (real-time) | Yes |
| Synchronizable | Software clock | Yes |
| Interfaces | • retentive | Yes; Back-up duration typically 6 weeks |
| Number of Industrial Ethernet Interfaces | synchronizable | Yes |
| Number of RS 485 interfaces | Interfaces | |
| Number of RS 485 interfaces | Number of industrial Ethernet interfaces | 2; 2 ports (switch) + independent port |
| Number of RS 232 interfaces 0 | Number of RS 485 interfaces | |
| Number of RS 232 interfaces 0 | Number of RS 422 interfaces | 0; together with RS 485 |
| Number of USB interfaces | Number of RS 232 interfaces | |
| Number of SD card slots | | |
| 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 EtherNeVIP Yes MPI Yes Protocols (Ethernet) Yes • TCP/IP Yes • DHCP Yes • SNMP Yes • DCP Yes • LLDP Yes WEB characteristics ** • HTTP Yes • HTTPS Yes • HTML Yes • Active X Yes • Active X Yes • Java VM No Redundancy mode Media redundancy — MRP Yes Further protocols Yes Interrupts/diagnostics/status information Interrupts/diagnostics/status information | | |
| Industrial Ethernet status LED | | |
| Industrial Ethernet status LED 3 | | |
| Number of ports of the integrated switch 2 PROFINET Yes Supports protocol for PROFINET IO Yes IRT Yes PROFIBUS Yes EtherNet/IP Yes MPI Yes Protocols (Ethernet) Yes • TCP/IP Yes • DHCP Yes • SMMP Yes • DCP Yes • LLDP Yes WBB characteristics Yes • HTTP Yes • HTML Yes • HTML Yes • Active X Yes • Active X Yes • Active X Yes • JavaScript Yes • Java VM No Media redundancy — MRP — MRP Yes Further protocols • CAN • CAN No • MODBUS Yes Interrupts/diagnostics/status information | | 3 |
| Protocols | | |
| PROFINET | | 2 |
| Supports protocol for PROFINET IO | | Vee |
| RT | | |
| PROFIBUS Yes | | |
| EtherNet/IP | | |
| MPI Yes Protocols (Ethernet) Yes • TCP/IP Yes • DHCP Yes • SNMP Yes • DCP Yes • LLDP Yes • LTTP 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 • CAN No • CAN No • MODBUS Yes | | |
| Protocols (Ethernet) • TCP/IP • DHCP • DHCP • SNMP • DCP • LLDP WEB characteristics • HTTP • HTTPS • HTML • XML • XML • XML • Yes • Active X • JavaScript • Java VM Redundancy mode Media redundancy — MRP Further protocols • CAN • MODBUS Interrupts/diagnostics/status information | | |
| • TCP/IP • DHCP • DHCP • SNMP • SNMP • DCP • LLDP • Yes • LLLDP • Yes WEB characteristics • HTTP • HTTP • HTTP • Yes • HTML • Yes • XML • Yes • Active X • Java VM Redundancy mode Media redundancy — MRP Further protocols • CAN • MODBUS Interrupts/diagnostics/status information | | Yes |
| | | |
| | | Yes |
| | | Yes |
| WEB characteristics ● HTTP Yes ● HTTPS Yes ● HTML Yes ● XML Yes ● CSS Yes ● Active X Yes ● JavaScript Yes ● Java VM No Redundancy mode No Media redundancy Yes Further protocols Yes ● CAN No ● MODBUS Yes Interrupts/diagnostics/status information | | Yes |
| WEB characteristics • HTTP Yes • HTTPS Yes • HTML Yes • XML Yes • CSS Yes • Active X Yes • JavaScript Yes • Java VM No Redundancy mode Media redundancy Yes Further protocols • CAN No • MODBUS Yes Interrupts/diagnostics/status information | • DCP | Yes |
| HTTP HTTPS Yes HTML XML XML CSS Active X JavaScript Java VM No Redundancy mode Media redundancy — MRP Yes Further protocols CAN MODBUS Interrupts/diagnostics/status information | • LLDP | Yes |
| HTTPS HTML XML XML Yes CSS Active X JavaScript Java VM No Redundancy mode Media redundancy — MRP Yes Further protocols CAN MODBUS Interrupts/diagnostics/status information | WEB characteristics | |
| HTML XML Yes CSS Active X JavaScript Java VM No Redundancy mode Media redundancy — MRP Yes Further protocols CAN MODBUS Interrupts/diagnostics/status information | • HTTP | Yes |
| HTML XML Yes CSS Active X JavaScript Java VM No Redundancy mode Media redundancy — MRP Yes Further protocols CAN MODBUS Interrupts/diagnostics/status information | • HTTPS | Yes |
| | | Yes |
| | | |
| Active X JavaScript Java VM No Redundancy mode Media redundancy — MRP Yes Further protocols CAN MODBUS Interrupts/diagnostics/status information Yes Yes Yes Yes No Yes | | |
| ● JavaScript ● Java VM No Redundancy mode Media redundancy — MRP Yes Further protocols ● CAN No MODBUS Interrupts/diagnostics/status information Yes Yes Interrupts/diagnostics/status information | | |
| ● Java VM Redundancy mode Media redundancy — MRP Yes Further protocols ● CAN ● MODBUS Interrupts/diagnostics/status information | | |
| Redundancy mode Media redundancy — MRP Yes Further protocols • CAN • MODBUS Interrupts/diagnostics/status information | | |
| Media redundancy — MRP Yes Further protocols ● CAN No ● MODBUS Yes Interrupts/diagnostics/status information | | |
| — MRP Further protocols ◆ CAN ◆ MODBUS No ◆ MODBUS Yes Interrupts/diagnostics/status information | | |
| Further protocols | · | Von |
| CAN MODBUS Yes Interrupts/diagnostics/status information | | Yes |
| MODBUS Yes Interrupts/diagnostics/status information | | NI. |
| Interrupts/diagnostics/status information | | |
| | | Yes |
| Diagnoses | | |
| | 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 B, for use in residential areas | No |
| Degree and class of protection | |
| IP (at the front) | IP65 |
| IP (rear) | IP65 |
| 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 | No; Available soon |
| EAC (formerly Gost-R) | No; Available soon |
| Ambient conditions | V |
| Suited for outdoor use | Yes |
| Suited for outdoor use | No |
| Ambient temperature during operation | |
| Operation (vertical installation) | 0.00 |
| — For vertical installation, min. | 0 °C 45 °C |
| — For vertical installation, max. Operation (max. tilt angle) | 40 0 |
| — At maximum tilt angle, min. | 0 °C |
| At maximum tilt angle, min. At maximum tilt angle, max. | 40 °C |
| — At maximum the angle, max. Ambient temperature during storage/transportation | 40 0 |
| min. | -20 °C |
| | 60 °C |
| • max | OU C |
| max. Relative humidity | 00 C |
| Relative humidity | |
| Relative humidity • Operation, max. | 90 %; no condensation |
| Relative humidity • Operation, max. Operating systems | |
| Relative humidity • Operation, max. | 90 %; no condensation |
| Relative humidity • Operation, max. Operating systems proprietary pre-installed operating system | 90 %; no condensation |
| Relative humidity • Operation, max. Operating systems proprietary | 90 %; no condensation No |
| Relative humidity • Operation, max. Operating systems proprietary pre-installed operating system • Windows CE | 90 %; no condensation No |
| Relative humidity • Operation, max. Operating systems proprietary pre-installed operating system • Windows CE configuration / header | 90 %; no condensation No Yes; Windows Embedded Compact 2013 |
| Relative humidity • Operation, max. Operating systems proprietary pre-installed operating system • Windows CE configuration / header Message indicator | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes |
| Relative humidity • Operation, max. Operating systems proprietary pre-installed operating system • Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment) | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes |
| Relative humidity • 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) | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes |
| Relative humidity • 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 | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes |
| Relative humidity • 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 | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes |
| Relative humidity • 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 | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes Yes Yes |
| Relative humidity • 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) | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes Yes No |
| Relative humidity • 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) | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes Yes No No |
| Relative humidity • 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 | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes Your Service of the condensation of th |
| Relative humidity • 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 Standard | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes No No No No No |
| Relative humidity 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 Standard WinCC flexible Advanced | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes No No No No No No No |
| Relative humidity 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 Standard WinCC Basic (TIA Portal) | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes No |
| Relative humidity 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) | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes Yes No No No No No No No No No N |
| Relative humidity 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 Comfort (TIA Portal) | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes Yes No No No No No No No No No N |
| Relative humidity 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) WinCC Professional (TIA Portal) | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes Yes No No No No No No No No No N |
| Relative humidity 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) WinCC Professional (TIA Portal) | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes Yes No No No No No No No No No N |
| Relative humidity 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) WinCC Professional (TIA Portal) WinCC Professional (TIA Portal) | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes Yes No No No No No No No No No So Yes; V14 SP1 HSP and higher Yes; V14 SP1 HSP and higher Yes; V14 SP1 HSP and higher |
| Relative humidity 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) WinCC Professional (TIA Portal) WinCC Professional (TIA Portal) WinCC Advanced (TIA Portal) | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes Yes No No No No No No No No No N |
| Relative humidity 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 Standard WinCC Basic (TIA Portal) WinCC Comfort (TIA Portal) WinCC Advanced (TIA Portal) WinCC Professional (TIA Portal) WinCC Professional (TIA Portal) WinCC Advanced (TIA Portal) WinCC Professional (TIA Portal) WinCC Professional (TIA Portal) | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes Yes No So No |
| Relative humidity 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 Pofessional (TIA Portal) WinCC Porfessional (TIA Portal) WinCC Porfessional (TIA Portal) WinCC Comfort (TIA Portal) WinCC Advanced (TIA Portal) WinCC Professional (TIA Portal) WinCC Professional (TIA Portal) WinCC Professional (TIA Portal) Languages Online languages Number of online/runtime languages Project languages Languages per project | 90 %; no condensation No Yes; Windows Embedded Compact 2013 Yes Yes Yes Yes Yes Yes No So No |

| ■ Web browser ■ Pocket Word ■ Pocket Excel ■ Pocket Excel ■ PDF Viewer ■ Media Player ■ SIMATIC WinCC Sm@rtServer ■ SIMATIC WinCC Audit Number of Visual Basic Scripts Task planner Yes Yes Yes Yes | |
|--|--|
| Pocket Excel PDF Viewer Media Player SIMATIC WinCC Sm@rtServer SIMATIC WinCC Audit Yes Number of Visual Basic Scripts Yes | |
| PDF Viewer Media Player SIMATIC WinCC Sm@rtServer SIMATIC WinCC Audit Yes Number of Visual Basic Scripts Yes | |
| Media Player SIMATIC WinCC Sm@rtServer SIMATIC WinCC Audit Yes Number of Visual Basic Scripts Yes | |
| SIMATIC WinCC Sm@rtServer SIMATIC WinCC Audit Yes Number of Visual Basic Scripts Yes | |
| • SIMATIC WinCC Audit Yes Number of Visual Basic Scripts Yes | |
| Number of Visual Basic Scripts Yes | |
| · | |
| Task planner | |
| | |
| • time-controlled Yes | |
| • task-controlled Yes | |
| Help system | |
| Number of characters per info text 320 | |
| Message system | |
| Number of alarm classes 32 | |
| Bit messages | |
| — Number of bit messages 6 000 | |
| Analog messages | |
| — Number of analog messages 200 | |
| • S7 alarm number procedure Yes | |
| System messages HMI Yes | |
| System event, more (SIMATIC S7, SINUMERIK, Yes | |
| SIMOTION,) | |
| Number of characters per message | |
| Number of process values per message | |
| Acknowledgment groups Yes | |
| Message indicator Yes | |
| Message buffer | |
| — Number of entries 1 024 | |
| — Circulating buffer Yes | |
| — retentive Yes | |
| — maintenance-free Yes | |
| Recipe management | |
| Number of recipes 500 | |
| Data records per recipe 1 000 | |
| • Entries per data record 2 000 | |
| Size of internal recipe memory 4 Mbyte | |
| Recipe memory expandable Yes | |
| Variables | |
| 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 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 | |
| • 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 | |
| • Date time neids | |

| D. # | V |
|---|-------------------|
| Buttons | Yes |
| Graphic display | Yes |
| • Icons | Yes |
| Geometric objects | Yes |
| Complex image objects | 40 |
| Number of complex objects per screen | 40 |
| Alarm view Tage during | 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 Sliders | Yes |
| Sliders Pointer instruments | Yes |
| Pointer instruments Applicated place. | Yes |
| Analog/digital clock I into | Yes |
| Lists | 500 |
| Number of text lists per project Number of entries per text list. | 500 |
| Number of graphical lists per project. | 500 |
| Number of graphics lists per project | 500 |
| Number of entries per graphics list Apply lines. | 500 |
| Archiving Archiving and device | 50 |
| Number of archives per device | 50 |
| Number of entries per archive | 50 000 |
| Message archive | Yes |
| Process value archive Archiving methods | Yes |
| Archiving methods Cognitive and the control of the contro | Von |
| — Sequential archive | Yes |
| — Short-term archive | Yes |
| Memory location | Yes |
| — Memory card — USB memory | Yes |
| — Ethernet | Yes |
| | Tes |
| Data storage format — CSV | Yes |
| | |
| — TXT — RDB | Yes Yes |
| — RDB Security | 165 |
| | 50 |
| Number of user groupsNumber of user rights | 32 |
| Number of user rights Number of users | 50 |
| Password export/import | Yes |
| SIMATIC Logon | Yes |
| Logging through printer | 160 |
| Alarms | Yes |
| Report (shift log) | Yes |
| Herort (still log) Hardcopy | Yes |
| Electronic print to file | Yes; PDF, HTML |
| • Electronic print to file Character sets | 165, 1 DI , IIIWL |
| | |
| Keyboard fonts LIS English | Von |
| — US English | Yes |
| Transfer (upload/download) • MPI/PROFIBUS DP | Voc |
| • MEVERUEIBUS DE | Yes |
| | Vos |
| USB Ethernet | Yes Yes |

| using external storage medium | Yes |
|--|--|
| Process coupling | |
| • S7-1200 | Yes |
| • S7-1500 | Yes |
| • S7-200 | Yes |
| • S7-300/400 | Yes |
| • LOGO! | Yes |
| • WinAC | Yes |
| • SINUMERIK | Yes; With SINUMERIK option package 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 (LINK/Multilink) | Yes |
| Modicon (Modbus TCP/IP) | Yes |
| Modicon (Modbus) | Yes |
| OPC UA Client | Yes |
| OPC UA Server | Yes |
| Service tools/configuration aids | |
| Backup/Restore manually | Yes |
| Backup/Restore automatically | Yes |
| Simulation | Yes |
| Device switchover | Yes |
| Peripherals/Options | |
| Printer | Yes |
| SIMATIC HMI MM memory card: Multi Media Card | Yes; Up to 128 MB |
| SIMATIC HMI SD memory card: Secure Digital memory card | Yes; Up to 2 GB |
| 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 | 396 mm |
| Height of housing front | 256 mm; Without basic adapter |
| Overall depth | 101 mm; Without basic adapter |
| Weights | |
| Weight (without packaging) | 6.3 kg |

last modified: 3/2/2021 🖸