## **SIEMENS**

## **Data sheet**

SIMATIC HMI TP1500 Comfort Pro, for support arm (expandable, round pipe) and Extension Unit, 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)		
<ul> <li>Horizontal image resolution</li> </ul>	1 366 pixel	
Vertical image resolution	768 pixel	
Backlighting		
<ul> <li>MTBF backlighting (at 25 °C)</li> </ul>	50 000 h	
Backlight dimmable	Yes; 0-100 %	
Control elements		
Keyboard fonts		
<ul> <li>Function keys</li> </ul>		
<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	
<ul> <li>alphanumeric keyboard</li> </ul>	Yes; Onscreen keyboard	
Touch operation		
Design as touch screen	Yes; Projective-capacitive	
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	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	
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	NO .
Buzzer	No
Speaker	Yes
	100
Time of day	
Clock	Voc
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 other interfaces	0
Number of SD card slots	2
With software interfaces	No
Industrial Ethernet	
<ul> <li>Industrial Ethernet status LED</li> </ul>	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	
• HTTP	Yes
• HTTPS	Yes
• HTML	Yes
• XML	Yes
• CSS	Yes
<ul> <li>Active X</li> </ul>	Yes
JavaScript	Yes
• Java VM	No
Redundancy mode	
Media redundancy	
· · · · · · · · · · · · · · · · · · ·	

— MRP	Yes
Further protocols	
• CAN	No
MODBUS	Yes
Interrupts/diagnostics/status information	
Diagnoses	
Diagnostic information readable	Yes; S7 controller
EMC	165, Or controller
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
·	INO
Degree and class of protection	IDOS
IP (at the front)	IP65
IP (rear)	IP65
NEMA (front)	V
Enclosure Type 4 at the front	Yes
Enclosure Type 4x at the front	Yes
Standards, approvals, certificates	
CE mark	Yes
CULus CULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	No; Available soon
EAC (formerly Gost-R)	No; Available soon
Ambient conditions	
Suited for indoor use	Yes
Suited for outdoor use	No
Ambient temperature during operation	
Operation (vertical installation)	
<ul> <li>For vertical installation, min.</li> </ul>	0 °C
— For vertical installation, max.	45 °C
Operation (max. tilt angle)	
— 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	00.0/
Operation, max.	90 %; no condensation
Operating systems	N-
proprietary	No
pre-installed operating system	Voc. Windows Embedded Correct 2012
• Windows CE	Yes; Windows Embedded Compact 2013
configuration / header	V
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
STEP 7 Basic (TIA Portal)     STEP 7 Professional (TIA Portal)	No No
STEP 7 Professional (TIA Portal)      WinCC flovible Compact	No No
WinCC flexible Compact     WinCC flexible Standard	No No
WinCC flexible Standard     WinCC flexible Advanced	No No
WinCC flexible Advanced     WinCC Resid (TIA Restal)	No
WinCC Basic (TIA Portal)  WinCO Constant (TIA Portal)	No
WinCC Comfort (TIA Portal)  WinCO Advanced (TIA Portal)	Yes; V14 SP1 HSP and higher
WinCC Advanced (TIA Portal)  Wince Co. Review of (TIA Portal)	Yes; V14 SP1 HSP and higher
WinCC Professional (TIA Portal)	Yes; V14 SP1 HSP and higher
Languages	

Number of online/runtime languages  Number of online/runtime languages  Languages per project  Libraries  Applications/options  Web browser  Pocket Word  Pocket Excel  POF Viewer  Media Player  SIMATIC WinCC Sm@rtServer  SIMATIC WinCC Audit  Ves  SIMATIC WinCC Audit  Ves  SIMATIC WinCC Audit  Ves  SIMATIC WinCC Audit  Ves  Itime-controlled  Ves  Lask-controlled  Ves  Bit message system  Number of orbaracters per message  Analog messages  Number of System wevent, more (SIMATIC ST, SINUMERIK, SIMOTION,)  Number of verses values per message  Acknowledgment groups  Posta excercible per recipe  Data records per recipe  Data records per dealar ecord  Number of variables per device  Number of variables per screen  Number of variables per device  Number of variables per screen  Number of variables per device  Number of variables per screen  Number of var	Online languages	
Project languages  • Languages per project  Functionality under WinCC (TIA Portal)  Libraries  Applications/options  • Web browser  • Pocket Word  • Pocket Excel  • PDF Viewer  • Media Player  • Media Player  • SIMATIC WinCC Sm@rtServer  • SIMATIC WinCC Sndits  Ves  • SIMATIC WinCC Audit  Ves  • SIMATIC WinCC Audit  Ves  • SIMATIC WinCC Audit  Ves  • Imme-ontrolled  • task-controlled  • task-controlled  • task-controlled  • task-controlled  • task-saage system  • Number of alarm classes  • Bit messages  — Number of bit messages  • Analog messages  — Number of alard will be saages  • Analog messages  — Number of alard will be saages  • S7 alarm number procedure  • System event, more (SIMATIC S7, SINUMERIK, SIMOTICN),)  • Number of characters per message  • Number of process values per message  • Acknowledgment groups  • Acknowledgment groups  • Message midicator  • Ves  Recipe management  • Number of recipes  • Data records per recipe  • Entries per data record  • Size of internal recipe memory  • Recipe memory expandable  • Number of variables per device  • Number of variables per screen  • Aumsiges  • Aurays  Images  Images  Images		32
Languages per project  Functionality under WinCC (TIA Portal)  Libraries  Applications/options      Web browser     Pocket Word     Pocket Excel     PDF Viewer     Yes     SIMATIC WinCC Sm@rtServer     SIMATIC WinCC Audit     Yes     SIMATIC WinCC A		
Eunctionality under WinCC (TIA Portal)  Libraries  Applications/options  • Web browser  • Pocket Word  • Pocket Excel  • PDF Viewer  • Media Player  • SIMATIC WinCC Sm@rtServer  • SIMATIC WinCC Audit  Ves  • SIMATIC WinCC Audit  Yes  Task planner  • time-controlled  • task-controlled  • Task planner  • Number of alarm classes  • Bit messages  — Number of bit messages  — Number of bit messages  • Analog messages  — Number of analog messages  — Number of analog messages  • System messages HMI  • System event, more (SIMATIC ST, SINUMERIK, Yes  SIMOTION,)  • Number of characters per message  • Acknowledgment groups  • Acknowledgment groups  • Message indicator  • Yes  Recipe management  • Number of recipes  • Data records per recipe  • Data records per recipe  • Entries per data record  • Size of internal recipe memory  • Recipe memory expandable  • Number of variables per device  • Number of variables per screen  • Multipkizing  • Number of variables per screen  • Multipkizing  • Arrays  • Arrays  Images		32
Libraries Yes Applications/options  Web browser Pocket Word Pocket Excel Pocket Exc		
Applications/options  Web browser Pocket Word Pocket Excel Pocket Excel Por Viewer Media Player SIMATIC WinCC Sm@rtServer SIMATIC WinCC Audit Ves SIMATIC WinCC Audit Ves SIMATIC WinCC Audit Ves SIMATIC WinCC Audit Ves		Yes
Web browser Pocket Word Pocket Excel PDF Viewer Wes PDF Viewer Media Player SIMATIC WinCC Sm@ntServer SIMATIC WinCC Audit Ves SIMATIC WinCC Audit Ves Ves SIMATIC WinCC Audit Ves Ves SIMATIC WinCC Smoled Ves Simatic Viewer Simatic		
Pocket Excel     Nedia Player     Nedia Player     SIMATIC WinCC Sm@rtServer     SIMATIC WinCC Audit     Yes     SIMATIC WinCC Audit     Yes     Number of Visual Basic Scripts     Task planner     time-controlled     Yes     Number of alarm classes     Number of alarm classes     Number of of the messages     Number of bit messages     Number of bit messages     Number of bit messages     Number of analog messages     Number of analog messages     Number of roalog messages     Number of signature     System messages HMI     System sevent, more (SIMATIC S7, SINUMERIK, SIMOTION,)     Number of process values per message     Number of process values per message     Number of process values per message     Nessage indicator     Yes     Message indicator     Yes     Message indicator     Recipe management     Number of recipes     Data records per recipe     Entries per data record     Size of internal recipe memory     Al Mbyte     Recipe memory expandable     Number of variables per device     Number of variables per screen     Multiplexing     Numbles of variables per screen     Arrays     Number of variables per screen     Arrays		Yes
Pocket Excel     PDF Viewer     Media Player     Media Player     SIMATIC WinCC Sm@rtServer     SIMATIC WinCC Audit     Yes     SIMATIC WinCC Audit     Yes     Number of Visual Basic Scripts  Task planner     itine-controlled     Yes     task-controlled     Yes     Sumber of Jam classes     Number of alarm classes     Number of alarm classes     Number of bit messages     — Number of bit messages     — Number of analog messages     — Number of analog messages     — Number of analog messages     — Number of of analog messages     — System nessages     Number of procedure     System event, more (SIMATIC S7, SINUMERIK, SIMOTION,)     Number of characters per message     Number of process values per message     Number of process values per message     Number of pracess values per message     Number of characters per message     Number of variables per device     Size of internal recipe memory     Recipe memory expandable  Variables  Number of variables per device     Number of variables per screen     Number of variables		
SIMATIC WinCC Audit Number of Visual Basic Scripts  Task planner  time-controlled time-contro		Yes
	Media Player	Yes
• SIMATIC WinCC Audit Number of Visual Basic Scripts  Task planner • time-controlled • task-controlled • task-controlled • Number of alarm classes • Bit messages  — Number of analog messages  — Number of analog messages  — Number of analog messages  • S7 alarm number procedure • System event, more (SIMATIC S7, SINUMERIK, SIMOTION,) • Number of characters per message • Number of characters per message • Acknowledgment groups • Acknowledgment • Number of recipes • Data records per recipe • Data records per recipe • Data records per recipe • Entries per data record • Size of internal recipe memory • Recipe memory expandable • Number of variables per device • Number of variables per device • Number of variables per screen • Multiplexing • Structures • Arrays Images	-	Yes
Task planner  • time-controlled  • task-controlled  Yes  Message system  • Number of alarm classes  • Bit messages  — Number of bit messages  • Analog messages  — Number of analog messages  • Number of analog messages  200  • S7 alarm number procedure  • System messages HMI  • System event, more (SIMATIC S7, SINUMERIK, SIMOTION,)  • Number of characters per message  • Acknowledgment groups  • Acknowledgment groups  • Message indicator  Recipe management  • Number of recipes  • Data records per recipe  • Entries per data record  • Size of internal recipe memory  • Recipe memory expandable  Variables  • Number of variables per screen  • Number of variables per screen  • Multiplexing  • Structures  • Arrays  Images	_	Yes
time-controlled task-controlled Yes  Message system  Number of alarm classes Bit messages - Number of bit messages - Number of the messages - Number of analog messages System event, more (SIMATIC S7, SINUMERIK, SIMOTION,) Number of characters per message Number of process values per message Acknowledgment groups - Acknowledgment groups Message indicator  Recipe management  Number of recipes Data records per recipe Entries per data record Size of internal recipe memory Recipe memory expandable  Number of variables per device Number of variables per screen Limit values Number of variables per screen Limit values Arrays Arrays Message indicates Yes Mundage Arrays Yes Images	Number of Visual Basic Scripts	Yes
◆ task-controlled       Yes         Message system       32         • Number of alarm classes       32         • Bit messages       6 000         • Analog messages       200         • Number of analog messages       200         • S7 alarm number procedure       Yes         • System messages HMI       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       1000         • Number of recipes       1000         • Data records per recipe       1000         • Entries per data record       2000         • 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         • Arrays       Yes         Images	Task planner	
Message system  Number of alarm classes Bit messages — Number of bit messages Analog messages — Number of analog messages  Number of analog messages  Number of analog messages  System messages HMI System event, more (SIMATIC S7, SINUMERIK, SIMOTION,) Number of characters per message Number of process values per message Acknowledgment groups Message indicator  Recipe management  Number of recipes Data records per recipe Entries per data record Size of internal recipe memory Recipe memory expandable  Number of variables per device Number of variables per screen Number of variables per screen Number of variables per screen Structures Yes Mutiplexing Structures Arrays Messages	• time-controlled	Yes
Number of alarm classes Bit messages — Number of bit messages — Number of analog messages — Number of analog messages 200 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 Acknowledgment groups Message indicator Yes  Recipe management Number of recipes Data records per recipe Data record 2000 Size of internal recipe memory Recipe memory expandable Yes  Variables Number of variables per device Number of variables per screen Yes Number of variables yer Structures Yes	• task-controlled	Yes
Bit messages  - Number of bit messages  Analog messages  - Number of analog messages  System messages HMI System messages HMI System event, more (SIMATIC S7, SINUMERIK, SIMOTION,)  Number of characters per message Number of process values per message Acknowledgment groups Acknowledgment groups  Acknowledgment groups  Message indicator  Recipe management  Number of recipes Data records per recipe Entries per data record Size of internal recipe memory Recipe memory expandable  Variables  Number of variables per device Number of variables per screen	Message system	
- Number of bit messages	Number of alarm classes	32
<ul> <li>Analog messages     — Number of analog messages</li> <li>S7 alarm number procedure</li> <li>System messages HMI</li> <li>System event, more (SIMATIC S7, SINUMERIK, SIMOTION,)</li> <li>Number of characters per message</li> <li>Number of process values per message</li> <li>Acknowledgment groups</li> <li>Message indicator</li> <li>Number of recipes</li> <li>Mumber of recipes</li> <li>Data records per recipe</li> <li>Entries per data record</li> <li>Size of internal recipe memory</li> <li>Recipe memory expandable</li> <li>Recipe memory expandable</li> <li>Yes</li> </ul> Variables <ul> <li>Number of variables per device</li> <li>Number of variables per screen</li> <li>Multiplexing</li> <li>Structures</li> <li>Arrays</li> <li>Images</li> </ul>	Bit messages	
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<ul> <li>S7 alarm number procedure</li> <li>System messages HMI</li> <li>System event, more (SIMATIC S7, SINUMERIK, SIMOTION,)</li> <li>Number of characters per message</li> <li>Number of process values per message</li> <li>Acknowledgment groups</li> <li>Message indicator</li> <li>Number of recipes</li> <li>Mumber of recipes</li> <li>Number of recipes</li> <li>Data records per recipe</li> <li>Entries per data record</li> <li>Size of internal recipe memory</li> <li>Recipe memory expandable</li> <li>Recipe memory expandable</li> <li>Ves</li> </ul> Variables <ul> <li>Number of variables per device</li> <li>Number of variables per screen</li> <li>Limit values</li> <li>Multiplexing</li> <li>Structures</li> <li>Arrays</li> </ul> Images	<ul> <li>Analog messages</li> </ul>	
System messages HMI System event, more (SIMATIC S7, SINUMERIK, SIMOTION,)  Number of characters per message Number of process values per message Acknowledgment groups Message indicator  Recipe management  Number of recipes Data records per recipe Entries per data record Size of internal recipe memory Recipe memory expandable  Variables  Number of variables per device Number of variables per screen Multiplexing Structures Arrays  Images	<ul> <li>Number of analog messages</li> </ul>	200
System event, more (SIMATIC S7, SINUMERIK, SIMOTION,)  Number of characters per message Number of process values per message Acknowledgment groups Yes  Message indicator  Recipe management  Number of recipes Data records per recipe Entries per data record Size of internal recipe memory Recipe memory expandable  Variables  Number of variables per device Number of variables per screen  Number of variables per screen  Number of variables per screen  Multiplexing Structures Arrays  Mages	<ul> <li>S7 alarm number procedure</li> </ul>	Yes
SIMOTION, )  Number of characters per message 80 Number of process values per message 8 Acknowledgment groups Yes Message indicator Yes  Recipe management  Number of recipes 500 Data records per recipe 1000 Entries per data record 2000 Size of internal recipe memory 4 Mbyte Recipe memory expandable Yes  Variables  Number of variables per device 4096 Number of variables per screen 400 Limit values Yes Multiplexing Yes Structures Yes Marays  Images	<ul> <li>System messages HMI</li> </ul>	Yes
<ul> <li>Number of characters per message</li> <li>Number of process values per message</li> <li>Acknowledgment groups</li> <li>Message indicator</li> <li>Number of recipes</li> <li>Data records per recipe</li> <li>Entries per data record</li> <li>Size of internal recipe memory</li> <li>Recipe memory expandable</li> <li>Variables</li> <li>Number of variables per device</li> <li>Number of variables per screen</li> <li>Limit values</li> <li>Multiplexing</li> <li>Structures</li> <li>Arrays</li> <li>Images</li> </ul>		Yes
<ul> <li>Number of process values per message</li> <li>Acknowledgment groups</li> <li>Yes</li> <li>Message indicator</li> <li>Yes</li> </ul> Recipe management <ul> <li>Number of recipes</li> <li>Data records per recipe</li> <li>Entries per data record</li> <li>Size of internal recipe memory</li> <li>Recipe memory expandable</li> <li>Recipe memory expandable</li> </ul> Variables <ul> <li>Number of variables per device</li> <li>Number of variables per screen</li> <li>Limit values</li> <li>Multiplexing</li> <li>Structures</li> <li>Arrays</li> </ul> Images <ul> <li>Images</li> </ul>	•	
<ul> <li>Acknowledgment groups</li> <li>Message indicator</li> <li>Recipe management</li> <li>Number of recipes</li> <li>Data records per recipe</li> <li>Entries per data record</li> <li>Size of internal recipe memory</li> <li>Recipe memory expandable</li> <li>Recipe memory expandable</li> <li>Variables</li> <li>Number of variables per device</li> <li>Number of variables per screen</li> <li>Limit values</li> <li>Multiplexing</li> <li>Structures</li> <li>Arrays</li> <li>Images</li> </ul>		
Message indicator  Recipe management  Number of recipes Data records per recipe Entries per data record Size of internal recipe memory Recipe memory expandable  Variables  Number of variables per device Number of variables per screen Limit values Multiplexing Structures Arrays  Mages		
Recipe management  Number of recipes Data records per recipe Entries per data record Size of internal recipe memory Recipe memory expandable  Variables Number of variables per device Number of variables per screen Limit values Multiplexing Structures Arrays  Marages		
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<ul> <li>Size of internal recipe memory</li> <li>Recipe memory expandable</li> <li>Variables</li> <li>Number of variables per device</li> <li>Number of variables per screen</li> <li>Limit values</li> <li>Multiplexing</li> <li>Structures</li> <li>Arrays</li> <li>Images</li> </ul>		
<ul> <li>Recipe memory expandable</li> <li>Variables</li> <li>Number of variables per device</li> <li>Number of variables per screen</li> <li>Limit values</li> <li>Multiplexing</li> <li>Structures</li> <li>Arrays</li> <li>Images</li> </ul>	•	
Variables  • Number of variables per device 4 096  • Number of variables per screen 400  • Limit values Yes  • Multiplexing Yes  • Structures Yes  • Arrays Yes  Images		
<ul> <li>Number of variables per device</li> <li>Number of variables per screen</li> <li>Limit values</li> <li>Multiplexing</li> <li>Structures</li> <li>Arrays</li> <li>Images</li> </ul>		
<ul> <li>Number of variables per screen</li> <li>Limit values</li> <li>Multiplexing</li> <li>Structures</li> <li>Arrays</li> <li>Images</li> </ul>		4 096
<ul> <li>Limit values</li> <li>Multiplexing</li> <li>Structures</li> <li>Arrays</li> <li>Images</li> </ul> Yes Yes Yes Yes		
<ul> <li>Multiplexing</li> <li>Structures</li> <li>Arrays</li> <li>Images</li> </ul> Yes <ul> <li>Yes</li> </ul> Yes <ul> <li>Yes <ul> <li>Yes</li> </ul> </li> </ul>		
<ul> <li>Structures</li> <li>Arrays</li> <li>Images</li> </ul> Yes Yes		
• Arrays Yes Images	· -	
Images		
·		
	-	750
Permanent window/default     Yes		Yes
Global image     Yes	Global image	Yes
Pop-up images     Yes	_	Yes
• Slide-in images Yes	· · · ·	Yes
• Image selection by PLC Yes	_	Yes
• Image number in the PLC Yes	Image number in the PLC	Yes
Image objects	Image objects	
Number of objects per image     600		600
• Text fields Yes	<ul> <li>Text fields</li> </ul>	Yes
• I/O fields Yes	• I/O fields	Yes
• Graphic I/O fields (graphics list)  Yes	<ul> <li>Graphic I/O fields (graphics list)</li> </ul>	Yes
Symbolic I/O fields (text list)  Yes	<ul> <li>Symbolic I/O fields (text list)</li> </ul>	Yes
Date/time fields     Yes	Date/time fields	Yes

0.11.1	V
• 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>	40
Alarm view	Yes
Trend view	Yes
User view	Yes
Status/control	Yes
<ul> <li>Sm@rtClient view</li> </ul>	Yes
Recipe view	Yes
• f(x) trend view	Yes
<ul> <li>System diagnostics view</li> </ul>	Yes
Media Player	Yes
HTML browser	Yes
PDF display	Yes
<ul> <li>IP camera display</li> </ul>	Yes
Bar graphs	Yes
• Sliders	Yes
<ul> <li>Pointer instruments</li> </ul>	Yes
Analog/digital clock	Yes
Lists	
Number of text lists per project	500
<ul> <li>Number of entries per text list</li> </ul>	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
<ul> <li>Number of entries per archive</li> </ul>	50 000
<ul> <li>Message archive</li> </ul>	Yes
<ul> <li>Process value archive</li> </ul>	Yes
<ul> <li>Archiving methods</li> </ul>	
<ul> <li>Sequential archive</li> </ul>	Yes
<ul> <li>Short-term archive</li> </ul>	Yes
Memory location	
— 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
Password export/import	Yes
SIMATIC Logon	Yes
Logging through printer	
Alarms	Yes
Report (shift log)	Yes
Hardcopy	
Electronic print to file	
	Yes
Character sets	
Character sets	Yes
Keyboard fonts	Yes; PDF, HTML
	Yes
Keyboard fonts	Yes; PDF, HTML

• USB	Yes
Ethernet	Yes
using external storage medium	Yes
Process coupling	
• S7-1200	Yes
• S7-1500	Yes
• S7-200	Yes
• S7-300/400	Yes
• LOGO!	Yes
<ul><li>WinAC</li></ul>	Yes
SINUMERIK	Yes; With SINUMERIK option package as from WinCC V15 or higher
• SIMOTION	Yes
<ul> <li>Allen Bradley (EtherNet/IP)</li> </ul>	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
<ul> <li>Stainless steel</li> </ul>	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
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Pobrano z: https://panele-hmi.pl/panel-operatorski-hmi-15-tp1500-siemens-6av2124-0qc24-0bx0-comfort-pro

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last modified: