## **SIEMENS**

## **Data sheet**

SIPLUS HMI KP1500 Comfort for medial exposure with conformal coating based on 6AV2124-1QC02-0AX1 . Comfort "Panel, key 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



Figure similar

General information	
Product type designation	KP1500 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)	
<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; LED, dimmable
Control elements	
Keyboard fonts	
<ul> <li>Function keys</li> </ul>	
<ul> <li>Number of function keys</li> </ul>	36
<ul> <li>Number of function keys with LEDs</li> </ul>	36
<ul> <li>Keys with LED</li> </ul>	Yes
<ul> <li>System keys</li> </ul>	Yes
<ul> <li>Numeric keyboard</li> </ul>	Yes
alphanumeric keyboard	Yes
Touch operation	
Design as touch screen	No
Expansions for operator control of the process	
<ul> <li>DP direct LEDs (LEDs as S7 output I/O)</li> </ul>	
— F1Fx	36
<ul> <li>Direct keys (keys as S7 input I/O)</li> </ul>	
— F1Fx	36
Installation type/mounting	
Mounting position	vertical
Mounting in portrait format possible	No
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	26.6 V
	47.0
Current consumption (rated value)	1.7 A
Starting current inrush I²t	0.5 A <sup>2</sup> ·s
Power	
Active power input, typ.	41 W
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
<ul><li>Speaker</li></ul>	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
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 Na
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	
• HTTP	Yes
• HTTPS	Yes

• HTML	Yes
• XML	Yes
• CSS	Yes
<ul> <li>Active X</li> </ul>	Yes
<ul> <li>JavaScript</li> </ul>	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	roof 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
Degree and class of protection	INU
NEMA (front)	V
Enclosure Type 4 at the front	Yes
Enclosure Type 4x at the front	Yes
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.	50 °C; (55 °C, see entry ID: 64847814)
Operation (max. tilt angle)	
<ul> <li>At maximum tilt angle, min.</li> </ul>	0 °C
— At maximum tilt angle, min.	40 °C
Operation (vertical installation, portrait format)	
<ul> <li>For vertical installation, min.</li> </ul>	0 °C
<ul> <li>For vertical installation, max.</li> </ul>	40 °C
Operation (max. tilt angle, portrait format)	
<ul> <li>At maximum tilt angle, min.</li> </ul>	0 °C
— At maximum tilt angle, min.	40 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Altitude during operation relating to sea level	
<ul> <li>Installation altitude above sea level, max.</li> </ul>	5 000 m
<ul> <li>Ambient air temperature-barometric pressure- altitude</li> </ul>	Tmin Tmax at 1 080 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin
antiquo	(Tmax - 10 K) at 795 HP a 536 HP a (*2 500 HF +3 500 HF) // THIIII (Tmax - 20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m)
Relative humidity	
With condensation, tested in accordance with IEC	100 %; RH incl. condensation/frost (no commissioning under
60068-2-38, max.	condensation conditions)
Resistance Coolants and Juhricants	
Coolants and lubricants  — Resistant to commercially available coolants	Yes; Incl. diesel and oil droplets in the air
and lubricants	1 co, mor. diosor and on diopieto in the an
Use in stationary industrial systems	
to biologically active substances according to EN 60721-3-3	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
— to chemically active substances according to	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52

<ul> <li>to mechanically active substances according to EN 60721-3-3</li> </ul>	Yes; Class 3S4 incl. sand, dust, *
Use on ships/at sea	
<ul> <li>to biologically active substances according to EN 60721-3-6</li> </ul>	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request
<ul> <li>to chemically active substances according to EN 60721-3-6</li> </ul>	Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); $^{\star}$
<ul> <li>to mechanically active substances according to EN 60721-3-6</li> </ul>	Yes; Class 6S3 incl. sand, dust; *
Usage in industrial process technology	
<ul> <li>Against chemically active substances acc. to EN 60654-4</li> </ul>	Yes; Class 3 (excluding trichlorethylene)
<ul> <li>Environmental conditions for process, measuring and control systems acc. to ANSI/ISA- 71.04</li> </ul>	Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)
Remark	
<ul> <li>Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04</li> </ul>	* The supplied plug covers must remain in place over the unused interfaces during operation!
Conformal coating	
<ul> <li>Coatings for printed circuit board assemblies acc. to EN 61086</li> </ul>	Yes; Class 2 for high reliability
<ul> <li>Protection against fouling acc. to EN 60664-3</li> </ul>	Yes; Type 1 protection
<ul> <li>Military testing according to MIL-I-46058C, Amendment 7</li> </ul>	Yes; Discoloration of coating possible during service life
<ul> <li>Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A</li> </ul>	Yes; Conformal coating, Class A
Operating systems	
proprietary	No
pre-installed operating system	140
Windows CE	Yes; Windows Embedded Compact 2013
	res, Wildows Embedded Compact 2013
Configuration	
Configuration	V
Message indicator	Yes
Message indicator Alarm system (incl. buffer and acknowledgment)	Yes
Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output)	Yes Yes
Message indicator  Alarm system (incl. buffer and acknowledgment)  Process value display (output)  Process value default (input) possible	Yes Yes Yes
Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management	Yes Yes
Message indicator Alarm system (incl. buffer and acknowledgment) Process value display (output) Process value default (input) possible Recipe management Configuration software	Yes Yes Yes Yes Yes
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)	Yes Yes Yes Yes Yes No
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)	Yes Yes Yes Yes No No
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	Yes Yes Yes Yes Yos No No No
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	Yes Yes Yes Yes You No No No No No
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	Yes Yes Yes Yes No No No No No No
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 • WinCC Basic (TIA Portal)	Yes Yes Yes Yes You No
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 • WinCC Basic (TIA Portal) • WinCC Comfort (TIA Portal)	Yes Yes Yes Yes Yes No No No No No No No No No Yes; V14 SP1 HSP and higher
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  • WinCC Basic (TIA Portal)  • WinCC Comfort (TIA Portal)	Yes Yes Yes Yes  No No No No No No No No No Yes; V14 SP1 HSP and higher Yes; V14 SP1 HSP and higher
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 • WinCC Basic (TIA Portal) • WinCC Comfort (TIA Portal) • WinCC Advanced (TIA Portal)	Yes Yes Yes Yes Yes No No No No No No No No No Yes; V14 SP1 HSP and higher
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 • WinCC Basic (TIA Portal) • WinCC Comfort (TIA Portal) • WinCC Advanced (TIA Portal) • WinCC Professional (TIA Portal)	Yes Yes Yes Yes  No No No No No No No No No Yes; V14 SP1 HSP and higher Yes; V14 SP1 HSP and higher
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 • WinCC Basic (TIA Portal) • WinCC Comfort (TIA Portal) • WinCC Advanced (TIA Portal) • WinCC Professional (TIA Portal)	Yes Yes Yes Yes  No No No No No No No Yes; V14 SP1 HSP and higher Yes; V14 SP1 HSP and higher Yes; V14 SP1 HSP and higher
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 • WinCC Basic (TIA Portal) • WinCC Comfort (TIA Portal) • WinCC Advanced (TIA Portal) • WinCC Advanced (TIA Portal) • WinCC Professional (TIA Portal)  • WinCC Professional (TIA Portal)  Languages Online languages • Number of online/runtime languages	Yes Yes Yes Yes  No No No No No No No No No Yes; V14 SP1 HSP and higher Yes; V14 SP1 HSP and higher
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 • WinCC Basic (TIA Portal) • WinCC Comfort (TIA Portal) • WinCC Advanced (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	Yes Yes Yes Yes  No No No No No No No Ves; V14 SP1 HSP and higher Yes; V14 SP1 HSP and higher Yes; V14 SP1 HSP and higher
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 • WinCC Basic (TIA Portal) • WinCC Comfort (TIA Portal) • WinCC Advanced (TIA Portal) • WinCC Advanced (TIA Portal) • WinCC Professional (TIA Portal) • WinCC Professional (TIA Portal)  Languages Online languages • Number of online/runtime languages Project languages • Languages per project	Yes Yes Yes Yes  No No No No No No No Yes; V14 SP1 HSP and higher Yes; V14 SP1 HSP and higher Yes; V14 SP1 HSP and higher
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 • WinCC Basic (TIA Portal) • WinCC Comfort (TIA Portal) • WinCC Advanced (TIA Portal) • WinCC Professional (TIA Portal) • WinCC Professional (TIA Portal) • WinCC Independent (TIA Portal) • WinCC Professional (TIA Portal)  Languages Online languages • Number of online/runtime languages  Project languages • Languages per project  Functionality under WinCC (TIA Portal)	Yes Yes Yes Yes  No No No No No No No No Yes; V14 SP1 HSP and higher
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 • WinCC Basic (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  Functionality under WinCC (TIA Portal)  Libraries	Yes Yes Yes Yes  No No No No No No No Ves; V14 SP1 HSP and higher Yes; V14 SP1 HSP and higher Yes; V14 SP1 HSP and higher
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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 • WinCC Basic (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  Functionality under WinCC (TIA Portal)  Libraries  Applications/options • Web browser	Yes Yes Yes Yes  No No No No No No No Yes; V14 SP1 HSP and higher
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 • WinCC Basic (TIA Portal) • WinCC Comfort (TIA Portal) • WinCC Advanced (TIA Portal) • WinCC Professional (TIA Portal) • WinCC Professional (TIA Portal)  Languages Online languages • Number of online/runtime languages Project languages • Languages per project  Functionality under WinCC (TIA Portal)  Libraries  Applications/options • Web browser • Pocket Word	Yes Yes Yes Yes  No No No No No No No Yes; V14 SP1 HSP and higher
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 • WinCC Basic (TIA Portal) • WinCC Comfort (TIA Portal) • WinCC Advanced (TIA Portal) • WinCC Professional (TIA Portal)  • WinCC Professional (TIA Portal)  Languages Online languages • Number of online/runtime languages Project languages • Languages per project  Functionality under WinCC (TIA Portal)  Libraries  Applications/options • Web browser • Pocket Word • Pocket Excel	Yes Yes Yes Yes  No No No No No No No No Yes; V14 SP1 HSP and higher
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 • WinCC Basic (TIA Portal) • WinCC Comfort (TIA Portal) • WinCC Advanced (TIA Portal) • WinCC Professional (TIA Portal) • WinCC Professional (TIA Portal)  Languages Online languages • Number of online/runtime languages Project languages • Languages per project  Functionality under WinCC (TIA Portal)  Libraries  Applications/options • Web browser • Pocket Word	Yes Yes Yes Yes  No No No No No No No Yes; V14 SP1 HSP and higher

SIMATIC WinCC Sm@rtServer	Yes
SIMATIC WinCC Audit	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
<ul> <li>System messages, other (SIMATIC S7, Sinumerik,</li> </ul>	Yes
Simotion, etc.)	
Number of characters per message	80
Number of process values per message	8
Acknowledgment groups	Yes
Message indicator	Yes
Message buffer	
Number of entries	1 024
Circulating buffer	Yes
— retentive	Yes
— maintenance-free	Yes
Recipe management	100
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	100
Number of variables per device	4 096
Number of variables per screen	400
• Limit values	Yes
Multiplexing	Yes
Structures	Yes
Arrays	Yes
Images	100
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 selection by FLC     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)     Date/time fields	Yes
Date/time fields     Switches	Yes
• Switches	Yes
Buttons     Combined in the law.	Yes
Graphic display	Yes
• Icons	Yes

Geometric objects	Yes
Complex image objects	165
Number of complex objects per screen	40
Alarm view	Yes
Trend view	Yes
User view	Yes
Status/control	Yes
Sm@rtClient view	Yes
	Yes
<ul><li>Recipe view</li><li>f(x) trend view</li></ul>	Yes
• •	Yes
System diagnostics view     Modia Player	
Media Player     HTML browner	Yes
HTML browser     DDF display.	Yes
PDF display	Yes
IP camera display	Yes
Bar graphs	Yes
• Sliders	Yes
Pointer instruments	Yes
Analog/digital clock	Yes
Lists	
<ul> <li>Number of text lists per project</li> </ul>	500
<ul> <li>Number of entries per text list</li> </ul>	500
<ul> <li>Number of graphics lists per project</li> </ul>	500
Number of entries per graphics list	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
<ul> <li>Memory location</li> </ul>	
— Memory card	Yes
— USB memory	Yes
— Ethernet	Yes
<ul> <li>Data storage format</li> </ul>	
— 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
• Report (shift log)	Yes
Hardcopy	Yes
Electronic print to file	Yes; PDF, HTML
Character sets	· ·
Keyboard fonts	
— US English	Yes
Transfer (upload/download)	
MPI/PROFIBUS DP	Yes
• USB	Yes
Ethernet	Yes
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<ul> <li>using external storage medium</li> </ul>	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
<ul> <li>Allen Bradley (EtherNet/IP)</li> </ul>	Yes
<ul> <li>Allen Bradley (DF1)</li> </ul>	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	
<ul> <li>Backup/Restore manually</li> </ul>	Yes
<ul> <li>Backup/Restore automatically</li> </ul>	Yes
<ul> <li>Simulation</li> </ul>	Yes
<ul> <li>Device switchover</li> </ul>	Yes
Peripherals/Options	
Peripherals/Options Printer	Yes
	Yes Yes; Up to 128 MB
Printer	
Printer SIMATIC HMI MM memory card: Multi Media Card SIMATIC HMI SD memory card: Secure Digital memory	Yes; Up to 128 MB
Printer SIMATIC HMI MM memory card: Multi Media Card SIMATIC HMI SD memory card: Secure Digital memory card	Yes; Up to 128 MB Yes; Up to 2 GB
Printer SIMATIC HMI MM memory card: Multi Media Card SIMATIC HMI SD memory card: Secure Digital memory card SIMATIC HMI CF memory card Compact Flash Card	Yes; Up to 128 MB Yes; Up to 2 GB No
Printer SIMATIC HMI MM memory card: Multi Media Card SIMATIC HMI SD memory card: Secure Digital memory card SIMATIC HMI CF memory card Compact Flash Card USB memory	Yes; Up to 128 MB Yes; Up to 2 GB No Yes
Printer SIMATIC HMI MM memory card: Multi Media Card SIMATIC HMI SD memory card: Secure Digital memory card SIMATIC HMI CF memory card Compact Flash Card USB memory SIMATIC IPC USB Flashdrive (USB stick)	Yes; Up to 128 MB Yes; Up to 2 GB  No Yes Yes; Up to 16 GB
Printer SIMATIC HMI MM memory card: Multi Media Card SIMATIC HMI SD memory card: Secure Digital memory card SIMATIC HMI CF memory card Compact Flash Card USB memory SIMATIC IPC USB Flashdrive (USB stick) SIMATIC HMI USB stick	Yes; Up to 128 MB Yes; Up to 2 GB  No Yes Yes; Up to 16 GB Yes; Up to 8 GB
Printer SIMATIC HMI MM memory card: Multi Media Card SIMATIC HMI SD memory card: Secure Digital memory card SIMATIC HMI CF memory card Compact Flash Card USB memory SIMATIC IPC USB Flashdrive (USB stick) SIMATIC HMI USB stick Network camera	Yes; Up to 128 MB Yes; Up to 2 GB  No Yes Yes; Up to 16 GB Yes; Up to 8 GB
Printer SIMATIC HMI MM memory card: Multi Media Card SIMATIC HMI SD memory card: Secure Digital memory card SIMATIC HMI CF memory card Compact Flash Card USB memory SIMATIC IPC USB Flashdrive (USB stick) SIMATIC HMI USB stick Network camera Mechanics/material	Yes; Up to 128 MB Yes; Up to 2 GB  No Yes Yes; Up to 16 GB Yes; Up to 8 GB
Printer SIMATIC HMI MM memory card: Multi Media Card SIMATIC HMI SD memory card: Secure Digital memory card SIMATIC HMI CF memory card Compact Flash Card USB memory SIMATIC IPC USB Flashdrive (USB stick) SIMATIC HMI USB stick Network camera Mechanics/material Enclosure material (front)	Yes; Up to 128 MB Yes; Up to 2 GB  No Yes Yes; Up to 16 GB Yes; Up to 8 GB Yes
Printer  SIMATIC HMI MM memory card: Multi Media Card  SIMATIC HMI SD memory card: Secure Digital memory card  SIMATIC HMI CF memory card Compact Flash Card  USB memory  SIMATIC IPC USB Flashdrive (USB stick)  SIMATIC HMI USB stick  Network camera  Mechanics/material  Enclosure material (front)  • Plastic	Yes; Up to 128 MB Yes; Up to 2 GB  No Yes Yes; Up to 16 GB Yes; Up to 8 GB Yes
Printer SIMATIC HMI MM memory card: Multi Media Card SIMATIC HMI SD memory card: Secure Digital memory card SIMATIC HMI CF memory card Compact Flash Card USB memory SIMATIC IPC USB Flashdrive (USB stick) SIMATIC HMI USB stick Network camera  Mechanics/material Enclosure material (front)  Plastic Aluminum	Yes; Up to 128 MB Yes; Up to 2 GB  No Yes Yes Yes; Up to 16 GB Yes; Up to 8 GB Yes  No Yes
Printer  SIMATIC HMI MM memory card: Multi Media Card  SIMATIC HMI SD memory card: Secure Digital memory card  SIMATIC HMI CF memory card Compact Flash Card  USB memory  SIMATIC IPC USB Flashdrive (USB stick)  SIMATIC HMI USB stick  Network camera  Mechanics/material  Enclosure material (front)  Plastic Aluminum Stainless steel	Yes; Up to 128 MB Yes; Up to 2 GB  No Yes Yes Yes; Up to 16 GB Yes; Up to 8 GB Yes  No Yes
Printer  SIMATIC HMI MM memory card: Multi Media Card  SIMATIC HMI SD memory card: Secure Digital memory card  SIMATIC HMI CF memory card Compact Flash Card  USB memory  SIMATIC IPC USB Flashdrive (USB stick)  SIMATIC HMI USB stick  Network camera  Mechanics/material  Enclosure material (front)  Plastic Aluminum Stainless steel  Dimensions	Yes; Up to 128 MB Yes; Up to 2 GB  No Yes Yes; Up to 16 GB Yes; Up to 8 GB Yes  No Yes No
Printer  SIMATIC HMI MM memory card: Multi Media Card  SIMATIC HMI SD memory card: Secure Digital memory card  SIMATIC HMI CF memory card Compact Flash Card  USB memory  SIMATIC IPC USB Flashdrive (USB stick)  SIMATIC HMI USB stick  Network camera  Mechanics/material  Enclosure material (front)  Plastic Aluminum Stainless steel  Dimensions  Width of the housing front	Yes; Up to 128 MB Yes; Up to 2 GB  No Yes Yes Yes; Up to 16 GB Yes; Up to 8 GB Yes No  No Yes No 483 mm
Printer  SIMATIC HMI MM memory card: Multi Media Card  SIMATIC HMI SD memory card: Secure Digital memory card  SIMATIC HMI CF memory card Compact Flash Card  USB memory  SIMATIC IPC USB Flashdrive (USB stick)  SIMATIC HMI USB stick  Network camera  Mechanics/material  Enclosure material (front)  Plastic Aluminum Stainless steel  Dimensions  Width of the housing front  Height of housing front	Yes; Up to 128 MB Yes; Up to 2 GB  No Yes Yes Yes; Up to 16 GB Yes; Up to 8 GB Yes  No Yes No 483 mm 310 mm
Printer  SIMATIC HMI MM memory card: Multi Media Card  SIMATIC HMI SD memory card: Secure Digital memory card  SIMATIC HMI CF memory card Compact Flash Card  USB memory  SIMATIC IPC USB Flashdrive (USB stick)  SIMATIC HMI USB stick  Network camera  Mechanics/material  Enclosure material (front)  Plastic  Aluminum Stainless steel  Dimensions  Width of the housing front  Height of housing front  Mounting cutout, width	Yes; Up to 128 MB Yes; Up to 2 GB  No Yes Yes Yes; Up to 16 GB Yes; Up to 8 GB Yes  No Yes No 483 mm 310 mm 450 mm
Printer  SIMATIC HMI MM memory card: Multi Media Card  SIMATIC HMI SD memory card: Secure Digital memory card  SIMATIC HMI CF memory card Compact Flash Card  USB memory  SIMATIC IPC USB Flashdrive (USB stick)  SIMATIC HMI USB stick  Network camera  Mechanics/material  Enclosure material (front)  Plastic Aluminum Stainless steel  Dimensions  Width of the housing front  Height of housing front  Mounting cutout, width  Mounting cutout, height	Yes; Up to 128 MB Yes; Up to 2 GB  No Yes Yes Yes; Up to 16 GB Yes; Up to 8 GB Yes  No  No Yes No 483 mm 310 mm 450 mm 291 mm
Printer  SIMATIC HMI MM memory card: Multi Media Card  SIMATIC HMI SD memory card: Secure Digital memory card  SIMATIC HMI CF memory card Compact Flash Card  USB memory  SIMATIC IPC USB Flashdrive (USB stick)  SIMATIC HMI USB stick  Network camera  Mechanics/material  Enclosure material (front)  Plastic  Aluminum  Stainless steel  Dimensions  Width of the housing front  Height of housing front  Mounting cutout, width  Mounting cutout, height  Overall depth	Yes; Up to 128 MB Yes; Up to 2 GB  No Yes Yes Yes; Up to 16 GB Yes; Up to 8 GB Yes  No  No Yes No 483 mm 310 mm 450 mm 291 mm