6AG1124-1DC01-4AX0

## **Data sheet**



SIPLUS HMI KP400 Comfort for medial exposure with conformal coating based on 6AV2124-1DC01-0AX0  $\,$ 

Figure similar

General information	
Product type designation	KP400 Comfort
Display	
Design of display	TFT
Screen diagonal	4.3 in
Display width	95 mm
Display height	53.8 mm
Number of colors	16 777 216
Resolution (pixels)	
<ul> <li>Horizontal image resolution</li> </ul>	480 pixel
Vertical image resolution	272 pixel
Backlighting	
<ul> <li>MTBF backlighting (at 25 °C)</li> </ul>	80 000 h
Backlight dimmable	Yes; 0-100 %
Control elements	
Keyboard fonts	
<ul> <li>Function keys</li> </ul>	
<ul> <li>Number of function keys</li> </ul>	8
<ul> <li>Number of function keys with LEDs</li> </ul>	8
<ul> <li>Keys with LED</li> </ul>	Yes
System keys	Yes
<ul> <li>Numeric keyboard</li> </ul>	Yes
alphanumeric keyboard	Yes; similar to mobile phone
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	8
<ul> <li>Direct keys (keys as S7 input I/O)</li> </ul>	
— F1Fx	8
<ul> <li>Direct keys (touch buttons as S7 input I/O)</li> </ul>	0
Installation type/mounting	
Mounting position	vertical
Wall mounting/direct mounting	No
Mounting in portrait format possible	No
Mounting in landscape format possible	Yes

maximum permissible angle of inclination without external	35°
ventilation	
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)	0.13 A
Starting current inrush I2t	0.5 A <sup>2</sup> ·s
Power	
Active power input, typ.	3.1 W
Processor	
Processor type	ARM
Memory	
Flash	Yes
RAM	Yes
Memory available for user data	4 Mbyte
Type of output	V
Info LED	Yes
Power LED	No
Error LED	No
Acoustics	
Buzzer	Yes
Speaker	No
Time of day	
Clock	
<ul> <li>Hardware clock (real-time)</li> </ul>	Yes
Software clock	No
<ul><li>retentive</li></ul>	Yes; Back-up duration typically 6 weeks
<ul><li>synchronizable</li></ul>	Yes
Interfaces	
Number of industrial Ethernet interfaces	1
Number of RS 485 interfaces	1; RS 422 / 485 combined
Number of RS 422 interfaces	1
Number of RS 232 interfaces	0
Number of USB interfaces	1; USB 2.0
USB Mini B	1; 5-pole
Number of 20 mA interfaces (TTY)	0
Number of 20 ma interfaces (111)  Number of parallel interfaces	0
Number of parametriteriaces  Number of other interfaces	0
Number of SD card slots	2
With software interfaces	No
Industrial Ethernet	NO
Industrial Ethernet     Industrial Ethernet status LED	2
Number of ports of the integrated switch	1
Protocols	
PROFINET	Yes
Supports protocol for PROFINET IO	Yes
IRT	No
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	No
• HTML	Yes
• XML	No
• CSS	Yes
Active X	No
<ul> <li>JavaScript</li> </ul>	Yes
• Java VM	No
Redundancy mode	
Media redundancy	
— MRP	No
Further protocols	
• CAN	No
• MODBUS	Yes
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	
NEMA (front)	
<ul> <li>Enclosure Type 4 at the front</li> </ul>	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; = Tmin
<ul> <li>For vertical installation, max.</li> </ul>	50 °C; = Tmax
Operation (max. tilt angle)	
<ul> <li>At maximum tilt angle, min.</li> </ul>	0 °C; = Tmin
<ul> <li>At maximum tilt angle, min.</li> </ul>	40 °C; = Tmax
Operation (vertical installation, portrait format)	
<ul> <li>For vertical installation, min.</li> </ul>	0 °C; = Tmin
<ul> <li>For vertical installation, max.</li> </ul>	40 °C; = Tmax
Operation (max. tilt angle, portrait format)	
<ul> <li>At maximum tilt angle, min.</li> </ul>	0 °C; = Tmin
— At maximum tilt angle, min.	35 °C; = Tmin
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 1 140 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 (Tmax -20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m)
Relative humidity	
With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation/frost (no commissioning under condensation conditions)
Resistance	
Coolants and lubricants	
<ul> <li>Resistant to commercially available coolants and lubricants</li> </ul>	Yes; Incl. diesel and oil droplets in the air
Use in stationary industrial systems	
<ul> <li>to biologically active substances according to EN 60721-3-3</li> </ul>	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request

<ul> <li>to chemically active substances according to EN 60721-3-3</li> </ul>	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); $^{\star}$
<ul> <li>to mechanically active substances according to EN 60721-3-3</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
11 7	
pre-installed operating system	
pre-installed operating system  • Windows CE	Yes
Windows CE	Yes
Windows CE  Configuration	
Windows CE  Configuration  Message indicator	Yes
Windows CE  Configuration  Message indicator  Alarm system (incl. buffer and acknowledgment)	
Windows CE  Configuration  Message indicator  Alarm system (incl. buffer and acknowledgment)  Process value display (output)	Yes Yes Yes
Windows CE  Configuration  Message indicator  Alarm system (incl. buffer and acknowledgment)  Process value display (output)  Process value default (input) possible	Yes Yes Yes Yes Yes
Windows CE  Configuration  Message indicator  Alarm system (incl. buffer and acknowledgment)  Process value display (output)  Process value default (input) possible  Recipe management	Yes Yes Yes
Windows CE  Configuration  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
Windows CE  Configuration  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 Yes
Windows CE  Configuration  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 Yes No
Windows CE  Configuration  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 Yes Yes No No
Windows CE  Configuration  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 Yes Yes No No No
Windows CE  Configuration  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 Yes Yos No No No No
Windows CE  Configuration  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 Yes Yes No No No No No No
Windows CE  Configuration  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)	Yes Yes Yes Yes Yes You No Yes; from V11
Windows CE  Configuration  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)	Yes Yes Yes Yes Yes You No
Windows CE  Configuration  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 Yes No
Windows CE  Configuration  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 Yes Yes No
Windows CE  Configuration  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 Yes Yes No
Windows CE  Configuration  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)      WinCC Professional (TIA Portal)	Yes Yes Yes Yes Yes Yes  No No No No No No No No So So Significant Yes; from V11 Yes; from V11 Yes; from V11
Windows CE  Configuration  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 Yes Yes  No No No No No No No No So So Significant Yes; from V11 Yes; from V11 Yes; from V11
Windows CE  Configuration  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)      WinCC Professional (TIA Portal)      WinCC Professional (TIA Portal)	Yes Yes Yes Yes Yes  No No No No No No No Yes; from V11 Yes; from V11 Yes; from V11
Windows CE  Configuration  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)      WinCC Professional (TIA Portal)  Languages  Online languages      Number of online/runtime languages  Project languages  Languages per project	Yes Yes Yes Yes Yes  No No No No No No No Yes; from V11 Yes; from V11 Yes; from V11
Windows CE  Configuration  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 Inanguages      Number of online/runtime languages  Project languages      Languages per project  Functionality under WinCC (TIA Portal)  Libraries	Yes Yes Yes Yes Yes Yes  No No No No No No No Yes; from V11 Yes; from V11 Yes; from V11
Windows CE  Configuration  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 Incompact      WinCC Advanced (TIA Portal)      WinCC Advanced (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 Yes Yes  No No No No No No No Yes; from V11 Yes; from V11 Yes; from V11
Windows CE  Configuration  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	Yes Yes Yes Yes Yes Yes  No No No No No No No Yes; from V11 Yes; from V11 Yes; from V11 Yes; from V11
Windows CE  Configuration  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 Yes Yes  No No No No No No No Yes; from V11 Yes; from V11 Yes; from V11 Yes; from V11

PDF Viewer	Yes
Media Player	Yes
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	70
Message system	
Number of alarm classes	32
Bit messages	
<ul> <li>Number of bit messages</li> </ul>	2 000
Analog messages	
<ul> <li>Number of analog messages</li> </ul>	50
S7 alarm number procedure	Yes
System messages HMI	Yes
System messages, other (SIMATIC S7, Sinumerik,	Yes
Simotion, etc.)	
Number of characters per message	80
<ul> <li>Number of process values per message</li> </ul>	8
Acknowledgment groups	Yes
Message indicator	Yes
Message buffer	
— Number of entries	256
— Circulating buffer	Yes
— retentive	Yes
— maintenance-free	Yes
Recipe management	
Number of recipes	100
Data records per recipe	200
Entries per data record	200
Size of internal recipe memory	512 kbyte
Recipe memory expandable	Yes
Variables	
Number of variables per device	1 024
Number of variables per screen	50
Limit values	Yes
Multiplexing	Yes
Structures	Yes
Arrays	Yes
Images	
Number of configurable images	500
Permanent window/default	Yes
Global image	Yes
Image selection by PLC	Yes
Image selection by PLC     Image number in the PLC	Yes
Image objects	
Number of objects per image	50
Text fields	Yes
I/O fields	Yes
	Yes
Graphic I/O fields (graphics list)     Symbolic I/O fields (toxt list)	160
Symbolic I/O fields (text list)     Dato/time fields	Voc
Date/time fields	Yes
- Curitale an	Yes
• Switches	Yes Yes
Buttons	Yes Yes
	Yes Yes

<ul> <li>Geometric objects</li> <li>Number of complex objects per screen</li> <li>Alarm view</li> <li>Trend view</li> <li>User view</li> <li>Status/control</li> <li>Sm@rtClient view</li> <li>Recipe view</li> <li>f(x) trend view</li> <li>System diagnostics view</li> <li>Media Player</li> <li>Bar graphs</li> </ul>	
<ul> <li>Number of complex objects per screen</li> <li>Alarm view</li> <li>Trend view</li> <li>User view</li> <li>Status/control</li> <li>Sm@rtClient view</li> <li>Recipe view</li> <li>f(x) trend view</li> <li>System diagnostics view</li> <li>Media Player</li> </ul>	
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<ul> <li>Trend view</li> <li>User view</li> <li>Status/control</li> <li>Sm@rtClient view</li> <li>Recipe view</li> <li>f(x) trend view</li> <li>System diagnostics view</li> <li>Media Player</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>	
<ul> <li>User view</li> <li>Status/control</li> <li>Sm@rtClient view</li> <li>Recipe view</li> <li>f(x) trend view</li> <li>System diagnostics view</li> <li>Media Player</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>	
<ul> <li>Status/control</li> <li>Sm@rtClient view</li> <li>Recipe view</li> <li>f(x) trend view</li> <li>System diagnostics view</li> <li>Media Player</li> </ul> Yes <ul> <li>Yes</li> </ul> Yes <ul> <li>Yes <ul> <li>Yes</li> </ul> </li> </ul>	
<ul> <li>Sm@rtClient view</li> <li>Recipe view</li> <li>f(x) trend view</li> <li>System diagnostics view</li> <li>Media Player</li> </ul> Yes <ul> <li>Yes</li> </ul> Yes <ul> <li>Yes <ul> <li>Yes</li> </ul> </li> </ul>	
<ul> <li>Recipe view</li> <li>f(x) trend view</li> <li>System diagnostics view</li> <li>Media Player</li> <li>Yes</li> <li>Yes</li> </ul>	
<ul> <li>f(x) trend view</li> <li>System diagnostics view</li> <li>Media Player</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>	
<ul><li>System diagnostics view</li><li>Media Player</li><li>Yes</li></ul>	
Media Player  Yes	
= partualitie	
• Sliders Yes	
• Pointer instruments  Yes	
Analog/digital clock     Yes	
Lists	
Number of text lists per project     300	
Number of entries per text list     30	
Number of graphics lists per project     100	
Number of entries per graphics list     30	
Archiving State of the state of	
Number of archives per device  10	
• Number of entries per archive 10 000	
Message archive     Yes	
Process value archive     Yes	
Archiving methods	
— Sequential archive Yes	
— Short-term archive 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)	
• 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	
• using external storage medium No	
Process coupling	
• S7-1200 Yes	

• S7-1500	Yes
• \$7-200 • \$7-300/400	Yes
	Yes Yes
• LOGO!	
• WinAC	Yes
SINUMERIK     SINUMERIK	Yes; with SINUMERIK option package
• SIMOTION	No; With WinCC, subsequent version
Allen Bradley (EtherNet/IP)	Yes
• Allen Bradley (DF1)	Yes
<ul> <li>Mitsubishi (MC TCP/IP)</li> </ul>	Yes
<ul><li>Mitsubishi (FX)</li></ul>	Yes
<ul><li>OMRON (FINS TCP)</li></ul>	No
<ul><li>OMRON (LINK/Multilink)</li></ul>	Yes
<ul> <li>Modicon (Modbus TCP/IP)</li> </ul>	Yes
<ul><li>Modicon (Modbus)</li></ul>	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	
Printer	Yes
SIMATIC HMI MM memory card: Multi Media Card	Yes
SIMATIC HMI SD memory card: Secure Digital memory card	Yes
USB memory	Yes
Mechanics/material	
Enclosure material (front)	
Plastic	Yes
Aluminum	No
Stainless steel	No
Dimensions	
Width of the housing front	152 mm
Height of housing front	188 mm
Mounting cutout, width	135 mm
Mounting cutout, height	171 mm
Overall depth	49 mm
Weights	
Weight without packaging	0.8 kg
Weight incl. packaging	0.9 kg
Worght moi. paolaging	o.o ng

last modified: 3/2/2021 🖸