6AV2125-2GB23-0AX0

Data sheet



SIMATIC HMI KTP700F Mobile, 7.0" TFT display, 800x 480 pixel, 16m colors, key and touch operation, 8 function keys, 1x PROFINET/Industrial Ethernet interface, 1x multimedia card, 1x USB, Key-operated switch, acknowledgement button, 1 emergency stop/stop button configurable from WinCC Comfort V13 SP1

General information	
Product type designation	KTP700F Mobile
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	7 in
Color display	Yes
Number of colors	16 777 216
Resolution (pixels)	
 Horizontal image resolution 	800 pixel
Vertical image resolution	480 pixel
Backlighting	
 MTBF backlighting (at 25 °C) 	50 000 h
 Backlight dimmable 	Yes; 0-100 %
Control elements	
Keyboard fonts	
 Function keys 	
 Number of function keys 	8
 Number of function keys with LEDs 	8
Keys with LED	Yes
 Numeric keyboard 	Yes; Onscreen keyboard
alphanumeric keyboard	Yes; Onscreen keyboard
Touch operation	
 Design as touch screen 	Yes
Design as multi-touch screen	No
Special operator controls	
 Stop button (forced blocking) 	Yes
 Emergency stop button (illuminated and forced blocking) 	Yes
 Acknowledgement button (3-stage) 	Yes
 Key-operated switch 	Yes
Illuminated pushbutton	Yes
Camera	
integrated camera	No
Expansions for operator control of the process	
 DP direct LEDs (LEDs as S7 output I/O) 	
— F1Fx	8
 Direct keys (keys as S7 input I/O) 	
— F1Fx	8

 Direct keys (touch buttons as S7 input I/O) 	32
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)	350 mA
Starting current inrush I²t	0.135 A ² ·s
Power	
Active power input, typ.	8.5 W
Processor	
Processor type	ARM
Memory	ALVIN
Flash	Yes
RAM	Yes
Memory available for user data	12 Mbyte
Type of output	No
Power LED	No No
LED for safe	No No
LED for communication	No No
LED for battery	No
Vibrations	No
Time of day	
Clock	
Hardware clock (real-time)	Yes
• retentive	Yes
synchronizable	Yes
Interfaces	
Number of industrial Ethernet interfaces	1
Number of PROFINET interfaces	1
Number of RS 485 interfaces	0
Number of RS 422 interfaces	0
Number of RS 232 interfaces	0
Number of RS 232 interfaces Number of USB interfaces	0 1; USB 2.0
Number of USB interfaces Number of wireless interfaces	1; USB 2.0 0
Number of USB interfaces Number of wireless interfaces Number of SD card slots	1; USB 2.0
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols	1; USB 2.0 0
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET	1; USB 2.0 0
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO	1; USB 2.0 0 1 Yes Yes
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO PROFIsafe	1; USB 2.0 0 1 Yes Yes Yes
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO PROFIsafe PROFIBUS	1; USB 2.0 0 1 Yes Yes Yes No
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO PROFIsafe PROFIBUS EtherNet/IP	1; USB 2.0 0 1 Yes Yes Yes No Yes
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO PROFIsafe PROFIBUS EtherNet/IP MPI	1; USB 2.0 0 1 Yes Yes Yes No
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO PROFIsafe PROFIBUS EtherNet/IP MPI Protocols (Ethernet)	1; USB 2.0 0 1 Yes Yes Yes Yes No Yes No
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO PROFIsafe PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP	1; USB 2.0 0 1 Yes Yes Yes No Yes No Yes
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO PROFIsafe PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • DHCP	1; USB 2.0 0 1 Yes Yes Yes No Yes No Yes No
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO PROFIsafe PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • DHCP • SNMP	1; USB 2.0 0 1 Yes Yes Yes No Yes No Yes No
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO PROFIsafe PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • DHCP • SNMP • DCP	1; USB 2.0 0 1 Yes Yes Yes No Yes No Yes No Yes Yes Yes Yes Yes Yes Yes
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO PROFIsafe PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • DHCP • SNMP • DCP • LLDP	1; USB 2.0 0 1 Yes Yes Yes No Yes No Yes No
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO PROFIsafe PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • DHCP • SNMP • DCP • LLDP WEB characteristics	1; USB 2.0 0 1 Yes Yes Yes No Yes No Yes No Yes
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO PROFIsafe PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • DHCP • SNMP • DCP • LLDP WEB characteristics • HTTP	1; USB 2.0 0 1 Yes Yes Yes No Yes No Yes No Yes
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO PROFIsafe PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • DHCP • SNMP • DCP • LLDP WEB characteristics • HTTP • HTTPS	1; USB 2.0 0 1 Yes Yes Yes Yes No Yes No Yes
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO PROFIsafe PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • DHCP • SNMP • DCP • LLDP WEB characteristics • HTTP • HTTPS • HTML	1; USB 2.0 0 1 Yes Yes Yes No Yes No Yes
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO PROFIsafe PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • DHCP • SNMP • DCP • LLDP WEB characteristics • HTTP • HTTPS • HTML • XML	1; USB 2.0 0 1 Yes Yes Yes No Yes No Yes
Number of USB interfaces Number of wireless interfaces Number of SD card slots Protocols PROFINET Supports protocol for PROFINET IO PROFIsafe PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • DHCP • SNMP • DCP • LLDP WEB characteristics • HTTP • HTTPS • HTML	1; USB 2.0 0 1 Yes Yes Yes No Yes No Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye

 JavaScript 	Yes
Java VM	No
Further protocols	
MODBUS	Yes
other bus systems	No
Communication functions	
Wireless communication	
supported standards	
 Radio standard WLAN 802.11 	No
 Bluetooth radio standard 	No
Interrupts/diagnostics/status information	
Diagnoses	
Diagnostic information readable	Yes
EMC	
Emission of radio interference acc. to EN 55 011	
Limit class A, for use in industrial areas	Yes
Limit class A, for use in residential areas Limit class B, for use in residential areas	No
	110
Degree and class of protection	Ves
IP65 (all-round)	Yes
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	No; Available soon
Suitable for safety functions	Yes
Marine approval	Yes
Highest safety class achievable in safety mode	
 Performance level according to ISO 13849-1 	PLe
SIL acc. to IEC 61508	SIL 3
SIL acc. to IEC 61508 Use in hazardous areas	SIL 3
	SIL 3 No
Use in hazardous areas	
Use in hazardous areas • ATEX Zone 2	No
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2	No No
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22	No No No
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 1	No No No No
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 1 • cULus Class I Zone 2, Division 2	No No No No No
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 1 • cULus Class I Zone 2, Division 2 • FM Class I Division 2	No No No No
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 1 • cULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval	No
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 1 • cULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL)	No No No No No No No No No Yes
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 1 • cULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS)	No No No No No No No No No Yes Yes
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 2 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV)	No N
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 2 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV)	No Yes Yes Yes Yes No; Available soon Yes
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS)	No Yes Yes No; Available soon Yes No
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 2 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS)	No Yes Yes Yes No; Available soon Yes No Yes
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 2 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK)	No Yes Yes No; Available soon Yes No Yes Yes
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 2 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS)	No Ves Yes Yes No; Available soon Yes No Yes No
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 2 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS)	No Yes Yes No; Available soon Yes No Yes Yes
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 2 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS)	No Ves Yes Yes No; Available soon Yes No Yes No
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 2 IECEx Zone 2 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS) Ambient conditions Free fall	No Yes Yes No; Available soon Yes No Yes No
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 2 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS) Ambient conditions Free fall Fall height, max.	No Ves Yes Yes No; Available soon Yes No Yes No
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 2 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS) Ambient conditions Free fall Fall height, max. Ambient temperature during operation	No Yes Yes No; Available soon Yes No Yes No No Yes Yes No No No No No
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 2 IECEx Zone 2 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS) Ambient conditions Free fall Fall height, max. Ambient temperature during operation min.	No Yes Yes No; Available soon Yes No Yes No No No No No No No No
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 2 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS) Ambient conditions Free fall Fall height, max. Ambient temperature during operation min. max.	No Yes Yes No; Available soon Yes No Yes No No Yes Yes No No No No No
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS) Ambient conditions Free fall Fall height, max. Ambient temperature during operation min. max. Ambient temperature during storage/transportation	No No No No No No No No No Yes Yes Yes No; Available soon Yes No Yes Yes No Yes Yes Yes No No No No
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 2 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS) Ambient conditions Free fall Fall height, max. Ambient temperature during operation min. max. Ambient temperature during storage/transportation min.	No No No No No No No No Yes Yes Yes No; Available soon Yes No Yes Yes Yes Co The state of the st
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 22 IECEx Zone 22 CULus Class I Zone 1 CULus Class I Zone 2, Division 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) Chinese Classification Society (CCS) Ambient conditions Free fall Fall height, max. Ambient temperature during operation min. max. Ambient temperature during storage/transportation	No No No No No No No No No Yes Yes Yes No; Available soon Yes No Yes Yes No Yes Yes Yes No No No No

Operation, max.	90 %
Operating systems	
pre-installed operating system	
Windows CE	Yes
Configuration	
Message indicator	Yes
Alarm system (incl. buffer and acknowledgment)	Yes
Process value display (output)	Yes
Process value default (input) possible	Yes
Recipe management	Yes
Configuration software	
STEP 7 Basic (TIA Portal)	No
STEP 7 Professional (TIA Portal)	No
WinCC flexible Compact	No
WinCC flexible Standard	No
WinCC flexible Advanced	No
WinCC Basic (TIA Portal)	No
WinCC Comfort (TIA Portal)	Yes
WinCC Advanced (TIA Portal)	Yes
WinCC Professional (TIA Portal)	Yes
Languages	
Online languages	
Number of online/runtime languages	32
Project languages	OL .
Languages per project	32
Functionality under WinCC (TIA Portal)	OL CONTROL OF THE CON
Libraries	Yes
Applications/options	Tes
Web browser	Yes
Pocket Word	No
Pocket Excel	No
PDF Viewer	Yes
Media Player	No
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	500
Multiproject	
Number of projects (internal)	0
Number of projects (internal)	0
Message system	
Number of alarm classes	32
Bit messages	
Number of bit messages	4 000
Analog messages	
Number of analog messages	200
S7 alarm number procedure	Yes
System messages HMI	Yes
 System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.) 	Yes
Number of characters per message	80
Number of process values per message	8
Acknowledgment groups	Yes
Message indicator	Yes

Message buffer	4 004
— Number of entries	1 024
Circulating buffer	Yes
— retentive	Yes
— maintenance-free	Yes
Recipe management	200
Number of recipes	300
Data records per recipe	500
Entries per data record	1 000
Size of internal recipe memory Desire an appropriate to the second state of the	2 Mbyte
Recipe memory expandable Variables	Yes
	2 048
Number of variables per deviceNumber of variables per screen	400
Limit values	Yes
	Yes
MultiplexingStructures	Yes
Arrays Images	Yes
Images	500
Number of configurable imagesPermanent window/default	
	Yes
Global image Image selection by PLC	Yes
Image selection by PLC Image number in the PLC	Yes
Image chicate	Yes
Image objects	400
Number of objects per imageText fields	Yes
I/O fields Craphia I/O fields (graphics list)	Yes Yes
Graphic I/O fields (graphics list) Symbolia I/O fields (toyt list)	Yes
Symbolic I/O fields (text list) Date thing fields	
Date/time fieldsSwitches	Yes Yes
	Yes
Graphic display	Yes
• Icons	Yes
Geometric objects Complex image objects	1 es
Number of complex objects per screen	20
Alarm view	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	No
Bar graphs	Yes
Sliders	Yes
Pointer instruments	Yes
Analog/digital clock	Yes
Lists	
Number of text lists per project	500
Number of text lists per project Number of entries per text list	500
Number of graphics lists per project	500
Number of graphics lists per project Number of entries per graphics list	500
Archiving	
Number of archives per device	50
Number of arctives per archive	20 000
• Number of chales per archive	20 000

	V
Message archive	Yes
Process value archive Application are after the	Yes
Archiving methods	V
— Sequential archive	Yes
— Short-term archive	Yes
Memory location	
— Memory card	Yes
— USB memory	Yes
— Ethernet	Yes
Data storage format	
— CSV	Yes
— TXT	No
— 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 	No
Electronic print to file	No
Character sets	
 Keyboard fonts 	
— US English	Yes
Transfer (upload/download)	
MPI/PROFIBUS DP	No
• USB	No
Ethernet	Yes
EthernetWireless LAN	Yes No
Wireless LAN	No
Wireless LAN using external storage medium	No
Wireless LAN using external storage medium Process coupling	No Yes; Backup/restore
Wireless LAN using external storage medium Process coupling S7-1200	No Yes; Backup/restore Yes
 Wireless LAN using external storage medium Process coupling \$7-1200 \$7-1500 	No Yes; Backup/restore Yes Yes
 Wireless LAN using external storage medium Process coupling \$7-1200 \$7-1500 \$7-200 	No Yes; Backup/restore Yes Yes Yes
 Wireless LAN using external storage medium Process coupling \$7-1200 \$7-1500 \$7-200 \$7-300/400 	No Yes; Backup/restore Yes Yes Yes Yes Yes
 Wireless LAN using external storage medium Process coupling \$7-1200 \$7-1500 \$7-200 \$7-300/400 LOGO! 	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
 Wireless LAN using external storage medium Process coupling \$7-1200 \$7-1500 \$7-200 \$7-300/400 LOGO! WinAC 	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes
 Wireless LAN using external storage medium Process coupling \$7-1200 \$7-1500 \$7-200 \$7-300/400 LOGO! WinAC \$INUMERIK 	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes; WinAC RTX Yes; without NC channel
Wireless LAN using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP)	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes Yes; WinAC RTX Yes; without NC channel Yes
Wireless LAN using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1)	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes; WinAC RTX Yes; without NC channel Yes Yes
Wireless LAN using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP)	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes; WinAC RTX Yes; without NC channel Yes Yes No
Wireless LAN using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX)	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes Yes; WinAC RTX Yes; without NC channel Yes Yes No
Wireless LAN using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP)	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes; WinAC RTX Yes; without NC channel Yes Yes No Yes No No
Wireless LAN using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink)	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes; WinAC RTX Yes; without NC channel Yes Yes No No No No
Wireless LAN using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP)	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes; WinAC RTX Yes; without NC channel Yes Yes No No No No No No No Yes
Wireless LAN using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus)	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes; WinAC RTX Yes; without NC channel Yes Yes No
Wireless LAN using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus) OPC UA Client	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes; WinAC RTX Yes; without NC channel Yes Yes No No No No No No No Yes No Yes
Wireless LAN using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Client OPC UA Server	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes; WinAC RTX Yes; without NC channel Yes Yes No
Wireless LAN using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Server Service tools/configuration aids	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes; WinAC RTX Yes; without NC channel Yes Yes No No Yes No No No No No Yes
Wireless LAN using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Client OPC UA Server Service tools/configuration aids Backup/Restore manually	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes; WinAC RTX Yes; without NC channel Yes Yes No Yes No Yes No No Yes Yes
Wireless LAN using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Client OPC UA Server Service tools/configuration aids Backup/Restore manually Backup/Restore automatically	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes; WinAC RTX Yes; without NC channel Yes Yes No No Yes No No No No Yes No Yes No Yes No Yes Yes Yes
Wireless LAN using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Client OPC UA Server Service tools/configuration aids Backup/Restore manually Backup/Restore automatically Simulation	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes; WinAC RTX Yes; without NC channel Yes Yes No Yes No No No No No Yes No Yes No Yes No Yes Yes Yes Yes Yes
Wireless LAN using external storage medium Process coupling S7-1200 S7-1500 S7-200 S7-300/400 LOGO! WinAC SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Client OPC UA Server Service tools/configuration aids Backup/Restore manually Backup/Restore automatically	No Yes; Backup/restore Yes Yes Yes Yes Yes Yes; WinAC RTX Yes; without NC channel Yes Yes No No Yes No No No No Yes No Yes No Yes No Yes Yes Yes

Printer	Yes
SIMATIC HMI MM memory card: Multi Media Card	Yes
SIMATIC HMI SD memory card: Secure Digital memory card	Yes
USB memory	Yes
Network camera	Yes
Additional software components loadable	Yes; SIMATIC options
Mechanics/material	
Enclosure material (front)	
Plastic	Yes
 Aluminum 	No
 Stainless steel 	No
Dimensions	
Width of the housing front	248.4 mm
Height of housing front	194.9 mm
Weights	
Weight (without packaging)	1.3 kg
Weight incl. packaging	1.4 kg

3/2/2021

last modified: