SIEMENS

Data sheet

6AV2125-2JB03-0AX0

SIMATIC HMI KTP900 Mobile, 9.0" TFT display, 800x 480 pixel, 16 million colors. key and touch operation, 10 function keys, 1x PROFINET/Industrial Ethernet interface, 1x multimedia card, 1x USB, configurable from WinCC Comfort V13 SP1



KTP900 Mobile
TFT widescreen display, LED backlighting
9 in
Yes
16 777 216
800 pixel
480 pixel
50 000 h
Yes; 0-100 %
10
10
Yes
Yes; Onscreen keyboard
Yes; Onscreen keyboard
Yes
No
No
No
No
No
Yes
No
32
DC
24 V
27 (

normically range upper limit (DC)	20.0 V
permissible range, upper limit (DC)	28.8 V
Input current	450
Current consumption (rated value)	450 mA
Starting current inrush I²t	0.135 A ² ·s
Power	
Active power input, typ.	11 W
Processor	
Processor type	ARM
Memory	
Flash	Yes
RAM	Yes
Memory available for user data	12 Mbyte
Type of output	
Power LED	No
LED for safe	No
LED for communication	No
	No
LED for battery Vibrations	No
	INU
Time of day	
Clock	V
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 USB interfaces	1; USB 2.0
Number of wireless interfaces	0
Number of SD card slots	1
Protocols	
PROFINET	Yes
Supports protocol for PROFINET IO	Yes
PROFIsafe	No
PROFIBUS	No
EtherNet/IP	Yes
MPI	No
Protocols (Ethernet)	
• TCP/IP	Yes
• DHCP	Yes
• SNMP	Yes
• DCP	Yes
• LLDP	Yes
WEB characteristics	165
HTTP	Yes
• HTTPS	Yes
• HTML	Yes
• XML	No
• CSS	Yes
• Active X	No
JavaScript	Yes
• Java VM	No
Further protocols	
• MODBUS	Yes
other bus systems	No
communication functions / header	
Wireless communication	

supported standards	
— Radio standard WLAN 802.11	No
Bluetooth radio standard	No
Interrupts/diagnostics/status information	
Diagnoses	V
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 B, for use in residential areas	No
Degree and class of protection	
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 Marine approval	No Yes
Marine approval Highest safety class achievable in safety mode	165
Performance level according to ISO 13849-1	none
SIL acc. to IEC 61508	No
Use in hazardous areas	110
• ATEX Zone 2	No
ATEX Zone 22	No
• IECEx Zone 2	No
• IECEx Zone 22	No
• cULus Class I Zone 1	No
• cULus Class I Zone 2, Division 2	No
FM Class I Division 2	No
Marine approval	
	Yes
Marine approval	Yes Yes
Marine approval ● Germanischer Lloyd (GL)	Yes No; Available soon
Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV)	Yes
Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Korean Register of Shipping (KRS)	Yes No; Available soon
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)	Yes No; Available soon Yes No Yes
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)	Yes No; Available soon Yes No Yes Yes
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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.	Yes No; Available soon Yes No Yes No Yes Yes No
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	Yes No; Available soon Yes No Yes Yes Yes No No No
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.	Yes No; Available soon Yes No Yes Yes Yes No No No
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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.	Yes No; Available soon Yes No Yes Yes No No No 1.2 m 0 °C 45 °C -20 °C
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. max.	Yes No; Available soon Yes No Yes Yes No No No 1.2 m
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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. max. Relative humidity Operation, max.	Yes No; Available soon Yes No Yes Yes No No No 1.2 m 0 °C 45 °C -20 °C
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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. max. Relative humidity Operation, max. Operating systems pre-installed operating system Windows CE	Yes No; Available soon Yes No Yes Yes No No No 1.2 m 0 °C 45 °C -20 °C 60 °C
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. max. Relative humidity Operation, max. Operating systems pre-installed operating system Windows CE configuration / header	Yes No; Available soon Yes No Yes Yes No No No 1.2 m 0 °C 45 °C -20 °C 60 °C 90 %
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. max. Relative humidity Operation, max. Operating systems pre-installed operating system Windows CE configuration / header Message indicator	Yes No; Available soon Yes No Yes Yes Yes No No No 1.2 m 0 °C 45 °C -20 °C 60 °C 90 % Yes
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. max. Relative humidity Operation, max. Operating systems pre-installed operating system Windows CE configuration / header Message indicator Alarm system (incl. buffer and acknowledgment)	Yes No; Available soon Yes No Yes Yes Yes No No No 1.2 m 0 °C 45 °C -20 °C 60 °C 90 % Yes Yes Yes
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. max. Relative humidity Operation, max. Operating systems pre-installed operating system Windows CE configuration / header Message indicator	Yes No; Available soon Yes No Yes Yes Yes No No No 1.2 m 0 °C 45 °C -20 °C 60 °C 90 % Yes

Recipe management	Yes
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Configuration software	No
STEP 7 Basic (TIA Portal) STEP 7 Professional (TIA Portal)	No No
STEP 7 Professional (TIA Portal) Wis CO florible Comment	No 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	
Languages per project	32
Functionality under WinCC (TIA Portal)	
Libraries	Yes
	165
Applications/options	Voc
Web browser Decket Word	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 (external) 	0
Message system	
Number of alarm classes	32
Bit messages	
Number of bit messages	4 000
Analog messages	4 000
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 characters per message Number of process values per message	8
Acknowledgment groups	Yes
Message indicator	Yes
	160
Message buffer Number of entries	1.024
Number of entries	1 024
Circulating buffer	Yes
— retentive	Yes
— maintenance-free	Yes
Recipe management	
 Number of recipes 	300
 Data records per recipe 	500
 Entries per data record 	1 000
 Size of internal recipe memory 	2 Mbyte
 Recipe memory expandable 	Yes
<u> </u>	

Variables	
Number of variables per device	2 048
Number of variables per deviceNumber of variables per screen	400
Limit values	Yes
Multiplexing	Yes
Structures	Yes
• Arrays	Yes
Images	100
Number of configurable images	500
Permanent window/default	Yes
Global image	Yes
Image selection by PLC	Yes
Image number in the PLC	Yes
Image objects	
Number of objects per image	400
Text fields	Yes
• I/O fields	Yes
Graphic I/O fields (graphics list)	Yes
Symbolic I/O fields (text list)	Yes
Date/time fields	Yes
Switches	Yes
Graphic display	Yes
• Icons	Yes
Geometric objects	Yes
Complex image objects	
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 entries per text list	500
Number of graphics lists per project	500
Number of entries per graphics list	500
Archiving	50
Number of archives per device Number of archives per archives	50
Number of entries per archive Massage archive	20 000 Yes
Message archive Process value archive	Yes
Archiving methods	165
Archiving methods — Sequential archive	Yes
Sequential archive - Short-term archive	Yes
Memory location	100
Memory card	Yes
— USB memory	Yes
— Ethernet	Yes
Data storage format	
— CSV	Yes
— TXT	No
— RDB	Yes

Socurity	
Security • Number of user groups	50
Number of user rights	32
Number of user rights Number of users	50
Password export/import	Yes
SIMATIC Logon	Yes
Logging through printer	163
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
Wireless LAN	No
using external storage medium	Yes; Backup/restore
Process coupling	
• S7-1200	Yes
• S7-1500	Yes
• S7-200	Yes
• S7-300/400	Yes
• LOGO!	Yes
WinAC	Yes; WinAC RTX
SINUMERIK	Yes
• SIMOTION	Yes
 Allen Bradley (EtherNet/IP) 	Yes
 Allen Bradley (DF1) 	No
Mitsubishi (MC TCP/IP)	Yes
Mitsubishi (FX)	Yes
OMRON (FINS TCP)	No
 OMRON (LINK/Multilink) 	No
 Modicon (Modbus TCP/IP) 	Yes
Modicon (Modbus)	No
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
SIMATIC HMI SD memory card: Secure Digital memory	Yes
USB memory	Yes
Network camera	Yes
Additional software components loadable	Yes; SIMATIC options
Mechanics/material	100, Oliviratio optiono
Enclosure material (front)	
Plastic	Yes
Aluminum	No
Stainless steel	No
Dimensions	110
	307.5 mm
Width of the housing front Height of housing front	200.9 mm
Hoight of Housing Hofft	200.0 HIIII

Weights	
Weight (without packaging)	1.5 kg
Weight (with packaging)	1.6 kg
last modified:	3/2/2021 🗗

Pobrano z: https://panele-hmi.pl/panel-operatorski-9-ktp900-mobile-siemens-6av2125-2jb03-0ax0