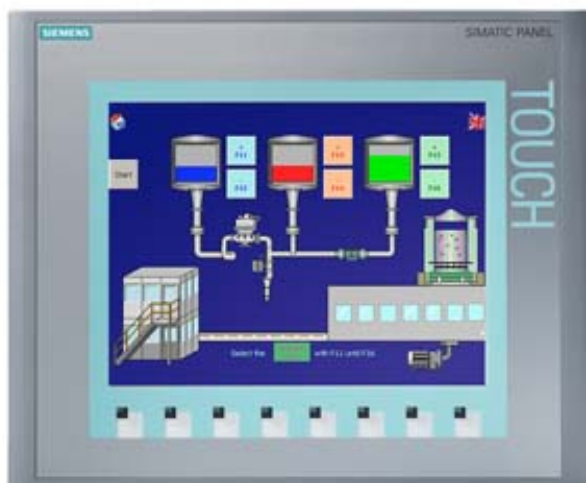


SIPLUS HMI KTP1000 BASIC COLOR DP 10.4" FOR MEDIAL STRESS WITH CONFORMAL COATING BASED ON 6AV6647-0AE11-3AX0



General information

Product function

Customer-specific configuration

Yes

Display

Design of display

TFT

Screen diagonal

10.4 in

Size

10.4" (211.2 mm x 158.4 mm)

Display type

TFT, 256 Farben

Color type

Colors

Resolution (pixels)

Horizontal image resolution

640

Vertical image resolution

480

Resolution (WxH in pixel)

640 x 480

Backlighting

MTBF backlighting (at 25 °C)

about 50000 hours

Control elements

Control elements

Membrane keyboard

Operating options

Keys and Touch

Function keys, programmable

8 function keys

Connection for mouse/keyboard/barcode reader	- / - / -
Keyboard fonts	
Keys with LED	No
Number of function keys with LEDs	0
Numeric/alphabetical input	Yes (on-screen keyboard) / Yes (on-screen keyboard)
hexadecimal keyboard	Yes ; Onscreen keyboard
Multi-key operation	No
Touch operation	
Touch screen	Analog, resistive
Touch screen (analog/resistive)	Yes
Supply voltage	
Supply voltage	24 V DC
Input current	
Rated current	0.6 A
Inrush current A ² s	0.2 A ² s
Power	
Power	15 W
Processor	
Processor	RISC 32-bit, 200 MHz
Processor type	RISC 32-bit
other	No
Memory	
Type	Flash / RAM
Usable memory for user data	1024 KB usable memory for user data
Type of output	
Info LED	No
Power LED	No
Error LED	No
Time of day	
Clock	
Type	Software clock, no battery backup
Interfaces	
Interfaces	1 x RS422, 1 x RS485 (max. 12 Mbit/s)
Number of RS 485 interfaces	1
Transmission rate, max.	12 Mbit/s
USB port	No
PC card slot	No
CF card slot	No

Multi Media Card slot	No
Number of parallel interfaces	0
Special interfaces	No
Industrial Ethernet	
Industrial Ethernet interface	No
Industrial Ethernet status LED	0
Protocols	
PROFINET	No
PROFIBUS	Yes
MPI	Yes
Protocols (Ethernet)	
TCP/IP	No
Protocols (terminal link)	
Sm@rtServer	No
Further protocols	
MODBUS	Yes
Degree and class of protection	
Front	IP65
Type of protection	IP20
IP (at the front)	IP65
Rear	IP20
Standards, approvals, certificates	
Certifications	CE
FM Class I Div. 2	No
GL	No
ABS	No
BV	No
DNV	No
LRS	No
Class NK	No
PRS	No
Gost-R	No
Suitable for safety functions	No
Use in hazardous areas	
EX zone 2	No
EX zone 22	No
Ambient conditions	
Mounting position	vertical

maximum permissible angle of inclination without external ventilation	+/- 35 °
Storage/transport temperature	
Transport, storage	-20 °C to +60 °C
Relative humidity	
max. relative humidity	100 % ; Relative humidity, incl. condensation / frost permitted (no commissioning under condensation conditions)
Extended ambient conditions	
Relative to ambient temperature-atmospheric pressure-installation altitude	Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // Tmin ... (Tmax - 10K) at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // Tmin ... (Tmax - 20K) at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
Resistance	
to biologically active substances / conformity with EN 60721-3-3	Yes ; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna). The supplied connector covers must remain on the unused interfaces during operation!
to chemically active substances / conformity with EN 60721-3-3	Yes ; Class 3C4 incl. salt spray. The supplied connector covers must remain on the unused interfaces during operation!
to mechanically active substances / conformity with EN 60721-3-3	Yes ; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!
Configuration	
Message indicator	Yes
With alarm logging system (incl. buffer and acknowledgment)	Yes
Process value display (output)	Yes
Process value default (input) possible	Yes
Recipe administration	Yes
Configuration software	
Configuration tool	WinCC flexible Compact Version 2008 or higher (to be ordered separately)
2nd configuration kit	WinCC flexible Compact
Version	Version 2008
Configuration tool	WinCC flexible
Type	Compact
Languages	
Online languages	
Number of online/runtime languages	5
Languages	
Languages per project	32
Functionality under WinCC flexible	
Libraries	Yes
Visual Basic Scripts	
Debugging in the simulator	No

Task planner	Yes
Help system	Yes
Number of characters per info text	320
With alarm logging system (incl. buffer and acknowledgment)	
Number of alarm classes	32
Number of messages	200
Bit messages	Yes
Analog messages	Yes
Number of bit messages	200
Number of analog messages	15
Telegram message procedure Alarm S	No
System messages HMI	Yes
System messages PLC	No
System messages, other (SIMATIC S7, Sinumerik, Simotion,..)	No
Message length (in characters)	80
Lines	1
Number of process values per message	8
Acknowledgment groups	Yes
Message indicator	Yes
Acoustic feedback	Yes
First/last value	Yes
Recipes	
Number of recipes	5
Data records per recipe	20
Entries per data record	20
Recipe memory	40 KB integrated Flash
Variables	
Number of variables per device	500
Number of variables per screen	30
Limit values	Yes
Multiplexing	Yes
Structs	No
Images	
Number of configurable images	50
Permanent window/default	Yes ; No permanent window can be configured
Start screen configurable	Yes
Image selection by PLC	Yes
Image number in the PLC	Yes

Image objects	
Text objects	500 text elements
Fields per image	30
Index of screen context	No
Return	No
Graphics object	Bit maps, icons, icon (full-screen), vector graphics
Icons	1
Icon (full screen)	1
Complex image objects	
Status/control	Not possible
dynamic objects	Diagrams, bar graphs
Number of curves per diagram	4
Methods	Trend
Number of bars per chart	5
Limit value lines	Yes
Attributes for dynamic objects	
Color change	Yes
X/Y movement	Yes
Hide	Yes
Angle of turn	No
Lists	
Number of text lists per project	150
Number of graphics lists per project	100
Security	
Number of user groups	50
Number of user rights	32
Password export/import	No
Data carrier support	
PC card	No
CF card	No
Diskette drive	No
Hard disk	No
CD-ROM	No
Logging through printer	
Recording/Printing	-
Transfer (upload/download)	
Transfer of configuration	MPI/PROFIBUS DP, serial, automatic transfer recognition
Process coupling	

Connection to controller	S7-200, S7- 300/400, Allen Bradley (DF1), Mitsubishi (FX), OMRON (LINK/Multilink), Modicon (Modbus) see section on "System interfaces"
S7-200	Yes
PPI (point-to-point)	Yes
PPI network	Yes
MPI	Yes
PROFIBUS DP	Yes
Ethernet	No
S7-300/400	Yes
MPI	Yes
PROFIBUS DP	Yes
PROFINET	No
S5	No
TI 505	No
Allen Bradley (DF1)	Yes
Allen Bradley (DF485)	No
Mitsubishi (FX)	Yes
Mitsubishi (MP4)	No
Telemecanique (ADJUST)	No
Telemecanique (Uni-Telway)	No
OMRON (LINK/Multilink)	Yes
Modicon (Modbus)	Yes
GE-Fanuc (SNP)	No
Functions	
Key repeat	No
TAB sequence	Yes
Calculating functions	Yes
Animate	Yes
Menu tree editor	No
Unit switchover	No
Service tools/configuration aids	
Clean screen	Yes
Touch calibration	Yes
Backup/restore	Yes
Simulation	Yes
Device switchover	Yes
Delta transfer	No
Monitoring function for battery and memory	No
Trace (operation archive)	No

Expandability/openness	
Open Platform Program	No
I/O / Options	
I/O devices	none
Multi Media Card	No
SD card	No
USB memory	No
Additional software components loadable	No
Dimensions	
Front of enclosure (W x H)	335 mm x 275 mm
Weight	
Weight	2.65 kg
other	
free hotline	Yes
Warranty period	1 a
Status	Feb 11, 2013