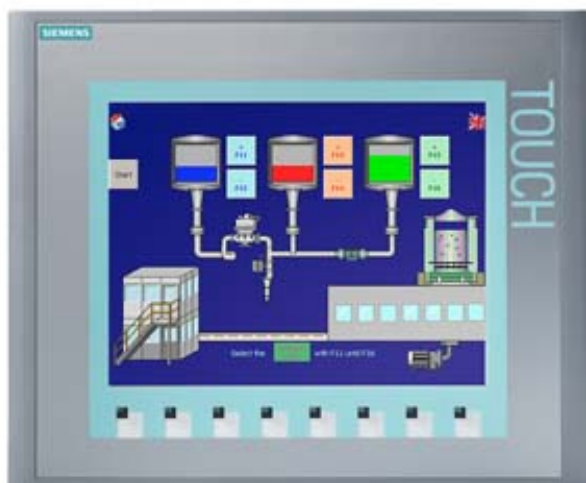


SIPLUS HMI KTP1000 BASIC COLOR FOR MEDIAL STRESS WITH CONFORMAL COATING BASED ON 6AV6647-0AF11-3AX0



Display	
Design of display	TFT
Screen diagonal	10.4 in
Display width	211.2 mm
Display height	158.4 mm
Number of colors	256
Resolution (pixels)	
horizontal image resolution	640
vertical image resolution	480
Backlighting	
MTBF backlighting (at 25 °C)	50000 h
Control elements	
Keyboard fonts	
Number of function keys	8
Keys with LED	No
Numeric/alphabetical input	Yes (on-screen keyboard) / Yes (on-screen keyboard)
Numeric keyboard	Yes ; Onscreen keyboard
alphanumeric keyboard	Yes ; Onscreen keyboard
Touch operation	

Design as touch screen	Yes
Supply voltage	
Type of supply voltage	DC
Input current	
Inrush current A ² s	0.2 A ² s
Processor	
Processor type	RISC 32-bit
X86	No
ARM	Yes
Memory	
Flash	Yes
RAM	Yes
usable memory for user data	1024 kbyte
Type of output	
Acoustics	Sound signal
Time of day	
Clock	
Software clock	Yes
Interfaces	
Number of RS 485 interfaces	0
Number of USB interfaces	0
Number of parallel interfaces	0
Number of 20 mA interfaces (TTY)	0
Number of RS 232 interfaces	0
Number of RS 422 interfaces	0
Number of other interfaces	0
Industrial Ethernet	
Number of industrial Ethernet interfaces	1
Industrial Ethernet status LED	2
Protocols	
PROFINET	Yes
PROFIBUS	No
MPI	No
Protocols (Ethernet)	
TCP/IP	Yes
DHCP	Yes
SNMP	Yes
DCP	Yes

LLDP	Yes
Further protocols	
MODBUS	Yes
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
Standards, approvals, certificates	
CE mark	Yes
Marine approval	
Germanischer Lloyd (GL)	No
American Bureau of Shipping (ABS)	No
Bureau Veritas (BV)	No
Det Norske Veritas (DNV)	No
Lloyds Register of Shipping (LRS)	No
Nippon Kaiji Kyokai (Class NK)	No
Polski Rejestr Statkow (PRS)	No
Ambient conditions	
Mounting position	vertical
maximum permissible angle of inclination without external ventilation	35 °
Operating temperature	
Operation (vertical installation)	0 °C to +50 °C
in vertical mounting position, minimum	0 °C
in vertical mounting position, maximum	50 °C
Operation (max. tilt angle)	0 °C to +40 °C
at maximum tilt angle, minimum	0 °C
at maximum tilt angle, maximum	40 °C
Storage/transport temperature	
min.	-20 °C
max.	60 °C
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)
Relative humidity	
with condensation, tested in accordance with IEC 60068 -2-38, maximum	100 % ; RH incl. condensation/frost (no commissioning under condensation conditions)
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
Languages	
Online languages	
Number of online/runtime languages	5
Project languages	
Languages per project	32
Project languages	D, GB, F, I, E, CHN "traditional", CHN "simplified", DK, FIN, GR, J, KP / ROK, NL, N, PL, P, RUS, S, CZ / SK, TR, H
D	Yes
GB	Yes
F	Yes
I	Yes
E	Yes
Chinese traditional	Yes
Chinese simplified	Yes
DK	Yes
FIN	Yes
GR	Yes
J	Yes
KP/ROK	Yes
NL	Yes
N	Yes
PL	Yes
P	Yes
RUS	Yes
S	Yes
CZ	Yes
TR	Yes
H	Yes

Functionality under WinCC (TIA Portal)	
Libraries	Yes
Task planner	Yes
Help system	Yes
Number of characters per info text	320
Message system	
Number of alarm classes	32
Number of bit messages	200
Number of analog messages	15
System messages HMI	Yes
System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.)	No
Number of characters per message	80
Number of process values per message	8
Message indicator	Yes
Message buffer	Ring buffer (n x 256 entries), retentive, maintenance-free
Number of entries	256
Circulating buffer	Yes
Recipe administration	
Number of recipes	5
Data records per recipe	20
Entries per data record	20
Size of internal recipe memory	40 kbyte
Recipe memory expandable	No
Variables	
Number of variables per device	500
Number of variables per screen	30
Limit values	Yes
Multiplexing	Yes
Structures	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
Complex image objects	
Status/control	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
Character sets	
Keyboard fonts	US American (English)
US English	Yes
Fonts	Tahoma, WinCC flexible Standard, symbol languages
Tahoma	Yes
Arial	No
Courier New	No
WinCC Standard	Yes
Ideographic languages	Yes
Font size freely scalable	No
Transfer (upload/download)	
MPI/PROFIBUS DP	No
USB	No
Ethernet	Yes
using external storage medium	No
Process coupling	
S7-200	Yes ; Via CP
S7-300/400	Yes
WinAC	No
SINUMERIK	No
SIMOTION	No
Allen Bradley (DF1)	No
Mitsubishi (FX)	No
OMRON (LINK/Multilink)	No
Modicon (Modbus)	Yes ; MODBUS TCP/IP protocol
Service tools/configuration aids	
Clean screen	Yes
Touch calibration	Yes
Backup/Restore manually	Yes
Simulation	Yes
Device switchover	Yes
Delta transfer	No
Peripherals/Options	

Peripherals	none
Printer	No
Multimedia Card	No
SD card	No
USB memory	No
Mechanics/material	
Type of housing (front)	plastic
Plastic	Yes
Aluminum	No
Dimensions	
Width of the housing front	335 mm
Height of housing front	275 mm
Mounting cutout/device depth (W x H x D)	310 mm x 248 mm / 60 mm device depth
Overall depth	60 mm
Weights	
Weight without packaging	2.65 kg
Weight incl. packaging	3.38 kg
Status	Jul 30, 2014