

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS SIMATIC HMI

6AV6647-0AD11-3AX0

KTP600 BASIC COLOR OPERATOR PANEL

Used with the applicable SIMATIC HMI Basic Panels configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official manufacturer documentation



Product data sheet**6AV6647-0AD11-3AX0**

**SIMATIC KTP600 BASIC COLOR PN 5,7" TFT DISPLAY, 256 COLORS ETHERNET INTERFACE
CONFIGURATION FROM WINCC FLEXIBLE 2008 COMPACT SP1 OR WINCC BASIC V10.5 INCLUDED IN
STEP7 BASIC V10.5, CONTAINS OPEN SOURCE SW WHICH IS PROVIDED FREE OF CHARGE FOR
DETAILS SEE C**

Supply voltage	
Supply voltage	24 V DC
permissible range	+19.2 V to +28.8 V DC
Type of voltage	DC
Making current A ² s	0.5 A
Rated current	0.35 A
Power	8.5 W
Memory	
Type	Flash / RAM
Memory usable for project data/Options	512 KB usable memory for user data
Time	
Clock	
Type	Softwareuhr, ungepuffert
Protocols	
TCP/IP	Yes
PROFINET	Yes
PROFIBUS	No
MPI	No
MODBUS	No
other bus systems	No
Protocols (terminal link)	
Sm@rtAccess	No
Configuration	
Configuration tool	WinCC flexible Compact Version 2008 SP1 or higher (to be ordered separately)
2nd configuration package	WinCC flexible Compact
Version	Version 2008 SP1

Configuring tool	WinCC flexible
Type	Compact
Display	
Display type	TFT, 256 Farben
Design of the display	TFT
Size	5.7" (115.2 mm x 86.4 mm)
Screen diagonal	5.7 in
Resolution (WxH in pixel)	320 x 240
Width	320
Height	240
Color type	Colors
MTBF backlighting (at 25 °C)	about 50,000 hours
Operating mode	
Operating elements	Membrane keyboard
Operating options	Keys and Touch
Function keys, programmable	6 function keys
Connection for mouse/keyboard/barcode reader	- / - / -
external mouse	-
external keyboard	-
Touchscreen	analog, resistive
Number of function keys with L:EDs	0
Numeric/alphabetical input	Yes (on-screen keyboard) / Yes (on-screen keyboard)
hexadecimal keyboard	Yes ; Onscreen keyboard
Multi-key operation	No
Touchscreen (analog/resistive)	Yes
Connection for barcode reader	-
Ambient conditions	
Mounting position	vertical
maximum permissible angle of inclination without external ventilation	+/- 35 °
max. relative humidity (in %)	90 %
Temperature	
Operation (vertical installation)	0 °C to +50 °C
Operation (max. tilt angle)	0 °C to +40 °C
Transport, storage	-20 °C to +60 °C

Degree of protection	
Front	IP65, NEMA 4, NEMA 4x, NEMA 12 (when installed)
IP (at front)	IP65
NEMA	NEMA 4, NEMA 4x, NEMA 12
Rear	IP20
IP (rear)	IP20
Certifications & Standards	
Certifications	CE, UL, cULus, NEMA 4, NEMA 4x, NEMA 12
I/O/Options	
I/O devices	None
Type of output	
Info LED	No
Power LED	No
Error LED	No
LED colors	None
Acoustics	Sound signal
interfaces	
Interfaces	1 x Ethernet (RJ45)
Number of interfacesn/parallel	0
Number of interfaces/according to RS 485	0
PC card slot	No
CF card slot	No
Multi Media Card slot	No
USB	No
Ethernet	1 x Ethernet (RJ45)
Ethernet status LED	2
Special interfaces	No
Product function	
Message indicator	Yes
Message system	Yes
Process value display (output)	Yes
Process value default (input)	Yes
Recipe adminsitration	Yes
customer-specific configuration	Yes
Additional software components loadable	No

other	
free hHotline	Yes
Warranty period	1 a
Processor	
Processor	RISC 32 bit, 75 MHz
Processor type	RISC 32-bit
other	No
Functionality under WinCC flexible	
Applications/options	None
Number of Visual Basic scripts	Not possible
Debugging in the simulator	No
Task planner	Yes
Help system	Yes
Number of info. texts	320
Status/control	Not possible
Message system	
Number of messages	200
Bit messages	Yes
Analog messages	Yes
Number of bit messages	200
Number of analog messages	15
Number of alarm classes	32
Telegram message procedure Alarm S	No
System messages HMI	Yes
System messages PLC	No
System messages, other (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
Message buffer	Ring buffer (n x 256 entries), non-retentive
Recipes	

Recipes	5
Data records per recipe	20
Entries per data record	20
Recipe memory	40 KB integrated Flash
Number of process images	
Process images	50
Variables	128
Limit values	Yes
Multiplexing	Yes
Structs	No
Image elements	
Text objects	500 text elements
Fields per image	30
Variables per image	30
Permanent window/default	Yes ; No permanent window can be configured
Image selection via PLC	Yes
Index of images	No
Start image configurable	Yes
Image number in the PLC	Yes
Return	N
Graphics object	Bit maps, icons, icon (full-screen), vector graphics
Icons	1
Icon (full screen)	1
dynamic objects	Diagrams
Number of curves per diagram	4
Methods	Trend
Number of bars per chart	5
Direction	vertical / horizontal
Limit value lines	Yes
Attributes for dynamic objects	
Color change	Yes
Movement X/Y	Yes
Hide	Yes
Angle of turn	No
Lists	

Text lists	150
Graphics list	100
Libraries	Yes
Security	
Number of user groups	50
Passwords exportable	No
Number of user rights	32
Data medium support	
PC card	No
CF card	No
Multi Media Card	No
SD card	No
USB Memory Drive	No
Diskette drive	No
Hard disk	No
CD-ROM	No
Recording	
Recording/Printing	PROFINET
Fonts	
Keyboard fonts	US American (English)
Languages	
Online languages	5
Languages per project	32
Configuration 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
Fonts	Tahoma, WinCC flexible Standard, symbol languages
Transfer (Upload/Download)	
Transfer of configuration	Ethernet, automatic transfer recognition
Process coupling	
Connection to controller	S7-200, S7-300/400, see chapter "System interfaces"
S5	No
serial	No
PROFIBUS DP	No
S7-200	Yes ; Via CP
PPI (point-to-point)	No

PPI network	No
MPI	No
PROFIBUS DP	No
Ethernet	Yes
S7- 300/400	Yes
MPI	No
PROFIBUS DP	No
PROFINET	Yes
TI 505	No
Point-to-point	No
Network	No
Allen Bradley (DF1)	No
Point-to-point	No
Network	No
Allen Bradley (DF485)	No
Point-to-point	No
Network	No
Mitsubishi (FX)	No
Point-to-point	No
Network	No
Mitsubishi (MP4)	No
Point-to-point	No
Network	No
Telemecanique (ADJUST)	No
Point-to-point	No
Network	No
Telemecanique (Uni-Telway)	No
Point-to-point	No
Network	No
OMRON (LINK/Multilink)	No
Point-to-point	No
Network	No
Modicon (Modbus)	No
Point-to-point	No
Network	No

GE-Fanuc (SNP)	No
Point-to-point	No
Network	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
Mechanics	
Type of housing (front)	Plastic
Mounting technology	Clamp terminals
Dimensions	
Front of enclosure (W x H)	214 mm x 158 mm
Mounting cutout/Device depth (W x H/D) in mm	197 mm x 141 mm/44 mm device depth
Dimensions and weight	
Weight	
Weight	1.07 kg
Status	Dec 6, 2009