

SIMATIC HMI KTP600 BASIC COLOR DP,  
 BASIC PANEL, KEY AND TOUCH OPERATION,  
 6" TFT DISPLAY, 256 COLORS,  
 MPI/PROFIBUS DP INTERFACE,  
 CONFIGURATION FROM WINCC FLEXIBLE 2008 SP2  
 COMPACT/ WINCC BASIC V11/ STEP7 BASIC V11,  
 CONTAINS OPEN SOURCE SW WHICH IS PROVIDED  
 FREE OF CHARGE FOR DETAILS SEE CD



Display	
Design of display	TFT
Screen diagonal	5.7 in
Display width	115.2 mm
Display height	86.4 mm
Number of colors	256
Resolution (pixels)	
Horizontal image resolution	320
Vertical image resolution	240
Backlighting	
MTBF backlighting (at 25 °C)	50000 h
Dimmable backlight	No
Control elements	
Keyboard fonts	
Number of function keys	6
Keys with LED	No
System keys	No
Numeric/alphabetical input	
Numeric keyboard	Yes ; Onscreen keyboard

<b>Alphanumeric keyboard</b>	Yes ; Onscreen keyboard
<b>Touch operation</b>	
<b>Design as touch screen</b>	Yes
<b>Installation type/mounting</b>	
<b>Mounting in portrait format possible</b>	Yes
<b>Mounting in landscape format possible</b>	Yes
<b>Supply voltage</b>	
<b>Type of supply voltage</b>	DC
<b>Rated value (DC)</b>	24 V
<b>permissible range, lower limit (DC)</b>	19.2 V
<b>permissible range, upper limit (DC)</b>	28.8 V
<b>Input current</b>	
<b>Current consumption (rated value)</b>	0.35 A
<b>Inrush current A<sup>2</sup>s</b>	0.5 A <sup>2</sup> s
<b>Power</b>	
<b>Power consumption, typ.</b>	9 W
<b>Processor</b>	
<b>Processor type</b>	
<b>X86</b>	No
<b>ARM</b>	Yes ; RISC 32-bit
<b>Memory</b>	
<b>Flash</b>	Yes
<b>RAM</b>	Yes
<b>Usable memory for user data</b>	1 Mbyte
<b>Type of output</b>	
<b>Acoustics</b>	
<b>Buzzer</b>	Yes
<b>Speaker</b>	No
<b>Time of day</b>	
<b>Clock</b>	
<b>Hardware clock (real-time clock)</b>	No
<b>Software clock</b>	Yes
<b>Battery-backed</b>	No
<b>Synchronizable</b>	Yes
<b>Interfaces</b>	
<b>Number of RS 485 interfaces</b>	1
<b>Number of USB interfaces</b>	0
<b>Number of SD card slots</b>	0

<b>Number of parallel interfaces</b>	0
<b>Number of 20 mA interfaces (TTY)</b>	0
<b>Number of RS 232 interfaces</b>	0
<b>Number of RS 422 interfaces</b>	1
<b>Number of other interfaces</b>	0
<b>With software interfaces</b>	No
<b>Industrial Ethernet</b>	
<b>Number of industrial Ethernet interfaces</b>	0
<b>Industrial Ethernet status LED</b>	0
<b>Protocols</b>	
<b>PROFINET</b>	No
<b>Supports protocol for PROFINET IO</b>	No
<b>IRT supported</b>	No
<b>PROFIBUS</b>	Yes
<b>MPI</b>	Yes
<b>Protocols (Ethernet)</b>	
<b>TCP/IP</b>	No
<b>DHCP</b>	No
<b>SNMP</b>	No
<b>DCP</b>	No
<b>LLDP</b>	No
<b>WEB characteristics</b>	
<b>HTTP</b>	No
<b>HTML</b>	No
<b>Further protocols</b>	
<b>CAN</b>	No
<b>MODBUS</b>	Yes ; Modicon (MODBUS RTU)
<b>Supports protocol for EtherNet/IP</b>	No
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostic messages</b>	
<b>Diagnostic information readable</b>	No
<b>Degree and class of protection</b>	
<b>IP (at the front)</b>	IP65
<b>Enclosure Type 4 at the front</b>	Yes
<b>Enclosure type 4x at the front</b>	Yes
<b>IP (rear)</b>	IP20
<b>Standards, approvals, certificates</b>	
<b>CE mark</b>	Yes

KC approval	Yes
cULus	Yes
RCM (former C-TICK)	Yes
<b>Marine approval</b>	
GL	Yes
ABS	Yes
BV	Yes
DNV	Yes
LRS	Yes
Class NK	Yes
PRS	Yes
<b>Use in hazardous areas</b>	
ATEX Zone 2	No
ATEX Zone 22	No
cULus Class I Zone 1	No
cULus Class I Zone 2, Division 2	No
FM Class I Division 2	No
<b>Ambient conditions</b>	
Mounting position	vertical
maximum permissible angle of inclination without external ventilation	35 °
<b>Operating temperature</b>	
Operation (vertical installation)	
in vertical mounting position, minimum	0 °C
in vertical mounting position, maximum	50 °C
Operation (max. tilt angle)	
at maximum tilt angle, minimum	0 °C
at maximum tilt angle, maximum	40 °C
Operation (vertical installation, portrait format)	
in vertical mounting position, minimum	0 °C
in vertical mounting position, maximum	50 °C
Operation (max. tilt angle, portrait format)	
at maximum tilt angle, minimum	0 °C
at maximum tilt angle, maximum	40 °C
<b>Storage/transport temperature</b>	
Min.	-20 °C
max.	60 °C
<b>Relative humidity</b>	
max. relative humidity	90 %

Operating systems	
Windows CE	No
proprietary	Yes
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other	No
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	
STEP 7 Basic (TIA Portal)	Yes ; via integrated WinCC Basic (TIA Portal)
STEP 7 Professional (TIA Portal)	Yes ; via integrated WinCC Basic (TIA Portal)
WinCC flexible Compact	Yes
WinCC flexible Standard	Yes
WinCC flexible Advanced	Yes
WinCC Basic (TIA Portal)	Yes
WinCC Comfort (TIA Portal)	Yes
WinCC Advanced (TIA Portal)	Yes
WinCC Professional (TIA Portal)	Yes
Languages	
Online languages	
Number of online/runtime languages	5
Languages	
Languages per project	32
Languages	
D	Yes
GB	Yes
F	Yes
I	Yes
E	Yes
Chinese traditional	Yes
Chinese simplified	Yes
DK	Yes
FIN	Yes
GR	Yes
J	Yes

<b>KP/ROK</b>	Yes
<b>NL</b>	Yes
<b>N</b>	Yes
<b>PL</b>	Yes
<b>P</b>	Yes
<b>RUS</b>	Yes
<b>S</b>	Yes
<b>CZ</b>	Yes
<b>SK</b>	Yes
<b>TR</b>	Yes
<b>H</b>	Yes
<b>Functionality under WinCC (TIA Portal)</b>	
<b>Libraries</b>	Yes
<b>Task planner</b>	
<b>time-controlled</b>	No
<b>task-controlled</b>	Yes
<b>Help system</b>	
<b>Number of characters per info text</b>	320
<b>Message system</b>	
<b>Number of alarm classes</b>	32
<b>Number of bit messages</b>	200
<b>Number of analog messages</b>	15
<b>System messages HMI</b>	Yes
<b>Number of characters per message</b>	80
<b>Number of process values per message</b>	8
<b>Message indicator</b>	Yes
<b>Message buffer</b>	
<b>Number of entries</b>	256
<b>Circulating buffer</b>	Yes
<b>retentive</b>	Yes
<b>maintenance-free</b>	Yes
<b>Recipe administration</b>	
<b>Number of recipes</b>	5
<b>Data records per recipe</b>	20
<b>Entries per data record</b>	20
<b>Size of internal recipe memory</b>	40 kbyte
<b>Recipe memory expandable</b>	No
<b>Variables</b>	
<b>Number of variables per device</b>	500

Number of variables per screen	30
Limit values	Yes
Multiplexing	Yes
Structs	No
Arrays	Yes
<b>Images</b>	
Number of configurable images	50
Permanent window/default	Yes
Global image	Yes
Start screen configurable	Yes
Image selection by PLC	Yes
Image number in the PLC	Yes
<b>Image objects</b>	
Number of objects per image	30
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
Switch	Yes
Buttons	Yes
Graphic view	Yes
Icons	Yes
Geometric objects	Yes
<b>Complex image objects</b>	
Number of complex objects per screen	5
Alarm view	Yes
Trend view	Yes
User view	Yes
Status/control	No
Sm@rtClient view	No
Recipe view	Yes
f(x) trend view	No
System diagnostics view	No
Media Player	No
Bar graphs	Yes
Sliders	No
Pointer instruments	No
Analog/digital clock	No

Lists	
Number of text lists per project	150
Number of entries per text list	30
Number of graphics lists per project	100
Number of entries per graphics list	30
Archiving	
Number of archives per device	0
Security	
Number of user groups	50
Number of user rights	32
Number of users	50
Password export/import	No
SIMATIC Logon	No
Character sets	
Keyboard fonts	
US English	Yes
Character sets	
Tahoma	Yes
Arial	No
Courier New	No
WinCC flexible Standard	Yes
Ideographic languages	Yes
Font size freely scalable	No
Additional character sets can be loaded	No
Transfer (upload/download)	
MPI/PROFIBUS DP	Yes
USB	No
Ethernet	No
using external storage medium	No
Process coupling	
S7-1200	Yes
S7-1500	Yes
S7-200	Yes
S7-300/400	Yes
LOGO!	Yes
Win AC	Yes
SINUMERIK	No
SIMOTION	No
Allen Bradley (EtherNet/IP)	No



Allen Bradley (DF1)	Yes
Mitsubishi (MC TCP/IP)	No
Mitsubishi (FX)	Yes
OMRON (FINS TCP)	No
OMRON (LINK/Multilink)	Yes
Modicon (Modbus TCP/IP)	No
Modicon (Modbus)	Yes
<b>Service tools/configuration aids</b>	
Clean screen	Yes
Touch calibration	Yes
Backup/restore	Yes
Backup/Restore automatically	No
Simulation	Yes
Device switchover	Yes
Delta transfer	No
<b>I/O/Options</b>	
I/O devices	
Printer	No
Multi Media Card	No
SD card	No
USB memory	No
<b>Mechanics/material</b>	
Type of housing (front)	
Plastic	Yes
Aluminum	No
Stainless steel	No
<b>Dimensions</b>	
Width of the housing front	214 mm
Height of housing front	158 mm
Mounting cutout (W x H x D)	
Mounting cutout, width	197 mm
Mounting cutout, height	141 mm
Device depth	44 mm
<b>Weights</b>	
Weight without packaging	1.07 kg
Weight incl. packaging	1.35 kg
Status	Mar 31, 2014