

Operator panels

SIMATIC HMI Basic Panels

SIMATIC HMI Basic Panels (1st Generation)

Technical specifications (continued)

Article number	6AV6647-0AD11-3AX0 SIMATIC HMI KTP600 BASIC COLOR PN	6AV6647-0AE11-3AX0 SIMATIC HMI KTP1000 BASIC COLOR DP	6AV6647-0AF11-3AX0 SIMATIC HMI KTP1000 BASIC COLOR PN
Product type designation			
Display			
Design of display	TFT	TFT	TFT
Screen diagonal	5.7 in	10.4 in	10.4 in
Number of colors	256	256	256
Resolution (pixels)			
• Horizontal image resolution	320 Pixel	640 Pixel	640 Pixel
• Vertical image resolution	240 Pixel	480 Pixel	480 Pixel
Backlighting			
• MTBF backlighting (at 25 °C)	50 000 h	50 000 h	50 000 h
• Backlight dimmable	No	No	No
Control elements			
Keyboard			
• Function keys			
- Number of function keys	6	8	8
Touch operation			
• Design as touch screen	Yes	Yes	Yes
Installation type/mounting			
Mounting in portrait format possible	Yes	No	No
Supply voltage			
Type of supply voltage	DC	DC	DC
Rated value (DC)	24 V	24 V	24 V
Memory			
usable memory for user data	1 Mbyte	2 Mbyte	2 Mbyte
Type of output			
Acoustics			
• Buzzer	Yes	Yes	Yes
Time of day			
Clock			
• Software clock	Yes	Yes	Yes
• battery-backed	No	No	No
• synchronizable	Yes	Yes	Yes
Interfaces			
Number of RS 485 interfaces	0	1	0
Number of USB interfaces	0	0	0
Number of SD card slots	0	0	0
Industrial Ethernet			
• Number of industrial Ethernet interfaces	1	0	1
Protocols			
PROFINET	Yes	No	Yes
IRT	No	No	No
PROFIBUS	No	Yes	No
MPI	No	Yes	No
Degree and class of protection			
IP (at the front)	IP65	IP65	IP65
Enclosure Type 4x at the front	Yes	Yes	Yes
IP (rear)	IP20	IP20	IP20

Overview



- Excellent HMI functionality for demanding applications
- Widescreen TFT displays with 4", 7", 9", 12", 15", 19" and 22" diagonals (all 16 million colors) with up to 40% more visualization area as compared to the predecessor devices
- Integrated high-end functionality with archives, scripts, PDF/Word/Excel viewer, Internet Explorer, Media Player and Web Server
- Dimmable displays from 0 to 100% via PROFIenergy, via the HMI project or via a controller
- Modern industrial design, cast aluminum fronts for 7" upwards
- Upright installation for all touch devices
- Optimal selection option: seven touch and five key versions are available
- Data security in the event of a power failure for the device and for the SIMATIC HMI Memory Card
- Innovative service and commissioning concept through second SD card (automatic backup)
- Maximum performance with short screen refresh times
- Suitable for extremely harsh industrial environments thanks to extended approvals such as ATEX 2/22 and marine approvals
- Wide range of communication options: PROFIBUS and PROFINET onboard; 2 x PROFINET with integrated switch for 7" models or larger; plus 1 x PROFINET with Gigabit support for 15" models or larger
- All versions can be used as an OPC UA client or as an OPC DA server
- Key-operated devices with LED in every function key and new text input mechanism, similar to the keypads of mobile phones
- All keys have a service life of 2 million operations
- Configuring with the WinCC engineering software of the TIA Portal

Note:

A 7" and 15" Comfort Outdoor version will be available soon. For further information, please go to:

<http://www.siemens.com/hmi>