

SIEMENS



Product overview for Comfort Panel

TIA Selection Tool Web



SIMATIC HMI Comfort Panels

High-end operator panels for demanding HMI tasks

SIMATIC HMI Comfort Panels offer Panel-based solutions for complex, large-scale applications. They feature wide-ranging functionality and a wide range of devices and applications, optionally with key or touch operation. Available as stationary and mobile solution.

SIMATIC HMI Comfort Panels are designed for the implementation of high-performance visualization tasks on the machine level. High performance, functionality and numerous integrated interfaces offer maximum convenience for high-end applications.

<http://www.siemens.com/comfort-panels>

Highlights

Broad and scalable product portfolio with standard functionality creates flexible application options

- High-resolution dimmable widescreen displays from 4" to 22" display size (optionally with touch control or control keys), more display area with the same display height and dimmable backlighting.
- Extended display options for complex operator screens and a clear division between application monitoring and operation.
- High functional range through new objects such as f(x) trend display, system diagnostics display, camera control, PDF printer, media player, document viewer, etc.
- Higher system limits compared to the predecessor as well as features not yet supported (such as scripts, logs, OPC communication, Sm@rtServer, etc.).

Simple commissioning and fast service ensure cost and time savings

- Use of standard cables for loading HMI projects via PROFINET / Ethernet.
- Device settings are simply made during configuration.
- Project data and device settings are stored on a system card located in the device and are updated automatically. The system card can be used to transfer projects to other devices.
- 100% protection against voltage failure prevents loss of data, minimizes downtimes and enables simple device replacement without additional hardware or software.
- Possibility of system diagnostics in conjunction with SIMATIC controllers, especially SIMATIC S7-1200 and S7-1500.

Efficient energy management reduces energy consumption

- Standardized PROFIenergy protocol enables coordinated central shutdown of unneeded energy consumers and recording of energy measurement values.
- Long-term investment protection through simple integration into existing standards.

Integrated interfaces allow for easy integration into existing plant structures

- Panels can be integrated into PROFINET and PROFIBUS networks.
- Interfaces for connecting USB peripherals (as of 7", 2-port Ethernet switch; as of 15", additional Gigabit PROFINET interface).

Maximum data security in case of power failure

- Comfort Panels buffer enough energy in the event of a power failure to correctly terminate all active logging without the use of a maintenance-intensive battery.


Ruggedness ensures use in harsh environments

- Rugged devices thanks to durable die-cast aluminum fronts (from 7") and approvals for use in various countries and in industries with increased requirements.
- Application options in hazardous areas according to UL CL.I, Div.2. All devices up to 12" offer ATEX certifications for zones 2 and 22 and various shipbuilding approvals such as GL or ABS.
- Deployable independent of location and industry due to wide temperature range from 0°C to 55°C for the standard devices and from -30°C to +60°C with max. 90%


humidity for the outdoor versions.

- Touch devices can also be installed vertical to optimize space requirements or special machine designs.

Comfort Panel

	Article number	
	SIMATIC HMI TP700 Comfort	6AV2124-0GC01-0AX0
	SIMATIC HMI TP700 Comfort Outdoor	6AV2124-0GC13-0AX0
	SIMATIC HMI TP900 Comfort	6AV2124-0JC01-0AX0
	SIMATIC HMI TP1200 Comfort	6AV2124-0MC01-0AX0
	SIMATIC HMI TP1500 Comfort	6AV2124-0QC02-0AX1
	SIMATIC HMI TP1500 Comfort Outdoor	6AV2124-0QC13-0AX0
	SIMATIC HMI TP1900 Comfort	6AV2124-0UC02-0AX1
	SIMATIC HMI TP2200 Comfort	6AV2124-0XC02-0AX1
	SIMATIC HMI KP400 Comfort	6AV2124-1DC01-0AX0
	SIMATIC HMI KP700 Comfort	6AV2124-1GC01-0AX0
	SIMATIC HMI KP900 Comfort	6AV2124-1JC01-0AX0
	SIMATIC HMI KP1200 Comfort	6AV2124-1MC01-0AX0
	SIMATIC HMI KP1500 Comfort	6AV2124-1QC02-0AX1
	SIMATIC HMI KTP400 Comfort	6AV2124-2DC01-0AX0

Accessories

	Article number	
	SIMATIC SD memory card 2 GB	6AV2181-8XP00-0AX0
	SIMATIC SD outdoor card 2 GB	6AV6881-0AQ10-0AA0
	USB flash drive, 32 GB	6AV6881-0AS42-0AA1
	Protect. film 7" widescreen	6AV2124-6GJ00-0AX0
	RS422 to RS232 converter	6AV6671-8XE00-0AX0
	RS422 to TTY converter	6AV6671-8XJ00-0AX0
	90 degree bracket adapter, 1:1	6AV6671-8XD00-0AX0
	Connector, female, 2-pin, type 1	6AV6671-8XA00-0AX0
	Touch pen, thin, resistive	6AV6645-7AB14-0AS0
	Touch pen system	6AV2181-8AV20-0AX0
	Touch pen caps	6AV2181-8AV60-0AX0
	Aluminum mounting clip	6AV6671-8XK00-0AX0
	Spring mounting clip	6AV6671-8XK00-0AX1
	Memory card lock 7 to 22"	6AV2181-4XM00-0AX0
	USB keyboard GER, TKL-105	6AV6881-0AU14-0AA0
	USB keyboard INT, TKL-105	6AV6881-0AU14-1AA0
	USB keyboard GER, KV25605, INOX	6AV6881-0AU14-0DB0
	USB keyboard INT, KV25605, INOX	6AV6881-0AU14-1DB0
	USB cable Typ A	6AV6881-0AF21-0LB0
	USB cable Typ B	6AV6881-0AF22-0DC0
	USB cable Typ C	6AV6881-0AF22-0LC0
	USB cable Typ D	6AV6881-0AF21-0LC0
	SIMATIC SD indoor card 32 GB	6AV6881-0AP40-0AA0
	SIMATIC SD outdoor card 32 GB	6AV6881-0AQ40-0AA0
	1 port USB interface set RAL9023	6AV7674-0LX00-0AA0
	Protect. Film 9" Widescreen	6AV2124-6JJ00-0AX0
	Protect. Film 12" Widescreen	6AV2124-6MJ00-0AX0
	Protect. Film 15" Widescreen	6AV2124-6QJ00-0AX1
	Steel mounting clip	6AV6671-8XK00-0AX3
	Steel mounting clamp	6AV6671-8XK00-0AX4
	Backplane cover IP20 15" (TP/ITC1500)	6AV7675-8RB00-0AA0
	Protect. Film 19" Widescreen	6AV2124-6UJ00-0AX1
	Backplane cover IP20 19" (TP/ITC1900)	6AV7675-8RD00-0AA0
	Protect. Film 22" Widescreen	6AV2124-6XJ00-0AX1
	Backplane cover IP20 22" (TP/ITC2200)	6AV7675-8RE00-0AA0
	Memory card lock 4"	6AV2181-4DM10-0AX0


 : Safety-related component

* By clicking on the article number, you will be taken to the product in the TIA Selection Tool cloud.


Accessories

	Article number
Protect. Film 4" Widescreen	6AV2124-6DJ00-0AX0
Plastic mounting clip	6AV6671-8XK00-0AX2

INOX

	Article number
 SIMATIC HMI TP700 COMFORT INOX	6AV2144-8GC10-0AA0
SIMATIC HMI TP700 Comfort INOX PCT	6AV2144-8GC20-0AA0
SIMATIC HMI TP900 Comfort INOX	6AV2144-8JC10-0AA0
SIMATIC HMI TP900 COMFORT INOX PCT	6AV2144-8JC20-0AA0
SIMATIC HMI TP1200 COMFORT INOX	6AV2144-8MC10-0AA0
SIMATIC HMI TP1200 COMFORT INOX PCT	6AV2144-8MC20-0AA0
SIMATIC HMI TP1500 COMFORT INOX	6AV2144-8QC10-0AA0
SIMATIC HMI TP1900 COMFORT INOX	6AV2144-8UC10-0AA0

SIPLUS

	Article number
 SIPLUS HMI TP700 COMFORT	6AG1124-0GC01-4AX0
SIPLUS HMI TP700 COMFORT OUTDOOR	6AG1124-0GC13-2AX0
SIPLUS HMI TP700 OUTDOOR T1 RAIL	6AG2124-0GC13-1AX0
SIPLUS HMI TP900 COMFORT	6AG1124-0JC01-4AX0
SIPLUS HMI TP1200 COMFORT	6AG1124-0MC01-4AX0
SIPLUS HMI TP1500 Comfort	6AG1124-0QC02-4AX1
SIPLUS HMI TP1500 Comfort Outdoor	6AG1124-0QC13-2AX0
SIPLUS HMI TP1500 OUTDOOR T1 RAIL	6AG2124-0QC13-1AX0
SIPLUS HMI TP1900 Comfort	6AG1124-0UC02-4AX1
SIPLUS HMI TP2200 Comfort	6AG1124-0XC02-4AX1
SIPLUS HMI KP400 COMFORT	6AG1124-1DC01-4AX0
SIPLUS HMI KP700 COMFORT	6AG1124-1GC01-4AX0
SIPLUS HMI KP900 COMFORT	6AG1124-1JC01-4AX0
SIPLUS HMI KP1200 COMFORT	6AG1124-1MC01-4AX0
SIPLUS HMI KP1500 Comfort	6AG1124-1QC02-4AX1
SIPLUS HMI KTP400 COMFORT	6AG1124-2DC01-4AX0

 : Safety-related component

* By clicking on the article number, you will be taken to the product in the TIA Selection Tool cloud.

Published by
Siemens AG

Digital Industries
Factory Automation
P.O. box 4848
90026 Nuremberg
Germany

For U.S. only:
Siemens Industry Inc.

100 Technology Drive
Alpharetta, GA 30005
United States

Copyright © Siemens 2012 - 2023

The TIA SELECTION TOOL and all its editions are made available to you at no charge. We therefore do not assume any warranty, in particular for the accuracy, correctness, completeness, availability or usability of this tool. Our liability for damages resulting from using the examples, help notes, programs, configuration and performance data, etc. described in this TIA SELECTION TOOL and all its editions regardless of the legal background is excluded unless required by law, e.g. in cases of willful misconduct, gross negligence, personal injury or death, failure to achieve guaranteed characteristics or fraudulent concealment of a defect or in case of breach of fundamental contractual obligations. Distribution or reproduction of this TIA SELECTION TOOL and all its editions or excerpts from it is prohibited unless expressly permitted by Siemens. The latest firmware and hardware versions are configured in the TIA Selection Tool.