

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 |
| | SIMATIC HMI USB memory stick, 8 GB | 6AV2181-8AS20-0AX0 |
| | 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 |

 : 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 |
|-----------------------------|--------------------|
| Memory card lock 4" | 6AV2181-4DM10-0AX0 |
| Protect. Film 4" Widescreen | 6AV2124-6DJ00-0AX0 |
| Plastic mounting clip | 6AV6671-8XK00-0AX2 |

Starter kits

| | Article number |
|----------------------------|--------------------|
| Starter Kit TP700 Comfort | 6AV2181-4GB00-0AX0 |
| Starter Kit TP900 Comfort | 6AV2181-4JB00-0AX0 |
| Starter Kit TP1200 Comfort | 6AV2181-4MB00-0AX0 |
| Starter Kit TP1500 Comfort | 6AV2181-4QB00-0AX0 |
| Starter Kit TP1900 Comfort | 6AV2181-4UB00-0AX0 |
| Starter Kit TP2200 Comfort | 6AV2181-4XB00-0AX0 |
| STARTER KIT KP400 COMFORT | 6AV2181-4DB10-0AX0 |
| STARTER KIT KP700 COMFORT | 6AV2181-4GB10-0AX0 |
| STARTER KIT KP900 COMFORT | 6AV2181-4JB10-0AX0 |
| STARTER KIT KP1200 COMFORT | 6AV2181-4MB10-0AX0 |
| STARTER KIT KP1500 COMFORT | 6AV2181-4QB10-0AX0 |
| Starter Kit KTP400 Comfort | 6AV2181-4DB20-0AX0 |



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 |



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