


# Product overview

## for SIMATIC HMI Comfort Panels

SIEMENS



## 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%

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humidity for the outdoor versions.

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

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## SIMATIC HMI Comfort Panels PRO

**SIMATIC HMI PRO - fully-enclosed IP65 protection without compromise**

SIMATIC Comfort Panels PRO are a series of devices with high IP65 (NEMA4) degree of protection and flexible mounting options - directly on the machine using special adapters, on a pedestal or on a support arm system.

Thanks to their high performance, functionality and numerous integrated interfaces, they offer maximum convenience for high-end applications and are especially suitable for implementing high-performance visualization tasks in machine-level areas.

http://www.siemens.com/simatic-hmi-pro

## Highlights

**Modern design and universal scalability create flexible application options**

- Slim enclosure with small depth, new scratch-resistant glass front and narrow frame.
- Devices can be dimensioned to suit machines and applications through a flexible selection of device type, performance class and display size.
- Individual selection and combination of basic units, expansion components and mounting options.
- High fully-enclosed IP65 degree of protection (against water and dust).
- Individual expandability through extension units.

**Different operating options ensure high operating convenience**

- Gesture, single and multiple finger operation (even with thin working gloves).
- Individual design by selecting your own design or style.

**High flexibility in the place of use and easy connection**

- Devices including extensions can be mounted to support arm and pedestal systems of different manufacturers using a flexible mechanism. Separate handle extension provides even more operating convenience.
- Simple connection and minimized wiring through communication with PROFINET and PROFIsafe.

**High level of service friendliness leads to cost and time savings**

- Rear panel can be easily removed even when the machine is mounted, e.g. for subsequent cabling or replacement of memory cards.

**High reliability and operating safety creates long-term availability**

- High operating safety through PROFIsafe, two-hand operation and palm recognition.

**Fast commissioning provides cost savings**

- Simple installation and configuration (Plug & Play) and easy changeover from a predecessor to a new device.
- Configuration in TIA Portal reduces costs during commissioning.

**Protection of processes and plants against unauthorized access**

- Plant protection through key switches and RFID access authorization as well as optional safety elements such as emergency stop.

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| **SIMATIC HMI Comfort Panels** | Compare technical specifications online |
| SIMATIC HMI KP400 Comfort | 6AV2124-1DC01-0AX0 |
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| SIMATIC HMI TP700 Comfort | 6AV2124-0GC01-0AX0 |
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| **SIMATIC HMI Comfort Panel PRO for support arm (not extendable, flange at top)** | Compare technical specifications online |
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| SIMATIC HMI TP1500 Comfort PRO neutral | 6AV2124-0QC24-0AB0 |
| SIMATIC HMI TP1900 Comfort PRO | 6AV2124-0UC24-0AX1 |
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| SIMATIC HMI TP2200 Comfort PRO | 6AV2124-0XC24-0AX1 |
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| SIMATIC HMI TP1200 Comfort PRO neutral | 6AV2124-0MC24-0BB0 |
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| SIMATIC HMI TP1500 Comfort PRO neutral | 6AV2124-0QC24-0BB0 |
| SIMATIC HMI TP1900 Comfort PRO | 6AV2124-0UC24-0BX1 |
| SIMATIC HMI TP1900 Comfort PRO neutral | 6AV2124-0UC24-0BB1 |
| SIMATIC HMI TP2200 Comfort PRO | 6AV2124-0XC24-0BX1 |
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| **SIMATIC HMI Comfort Panel PRO for pedestal (extendable, flange at bottom)** | Compare technical specifications online |
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| SIPLUS HMI TP700 OUTDOOR T1 RAIL | 6AG2124-0GC13-1AX0 |
| SIPLUS HMI TP900 COMFORT | 6AG1124-0JC01-4AX0 |
| SIPLUS HMI TP1200 COMFORT | 6AG1124-0MC01-4AX0 |
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| SIPLUS HMI TP1900 Comfort | 6AG1124-0UC02-4AX1 |
| SIPLUS HMI TP2200 Comfort | 6AG1124-0XC02-4AX1 |
| SIPLUS HMI KP700 COMFORT | 6AG1124-1GC01-4AX0 |
| SIPLUS HMI KP900 COMFORT | 6AG1124-1JC01-4AX0 |
| SIPLUS HMI KP1200 COMFORT | 6AG1124-1MC01-4AX0 |
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| SIMATIC HMI TP1200 COMFORT INOX | 6AV2144-8MC10-0AA0 |
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| SIMATIC HMI TP1200 COMFORT INOX | 6AV2144-8MC10-0AA0 |
| SIMATIC HMI TP1200 COMFORT INOX PCT | 6AV2144-8MC20-0AA0 |
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