

Concentrating on the essentials: the new Basic Panels



SIMATIC HMI

Answers for industry.

SIEMENS



Number 1 in operator control and monitoring

From simple operator keypads and mobile devices to flexible Multi Panels: With the SIMATIC HMI Panels, Siemens offers a comprehensive range of best in class devices. They have been used successfully as Human Machine interfaces in a wide range of applications in every industry for many years. The compact and versatile SIMATIC HMI Panels offer maximum functionality and can be integrated perfectly into any production and automation system.



The new Basic Panels: high-quality panels at attractive prices

Visualization is part of the standard equipment on most industrial machines today. Particularly in the case of small machines and simple applications, cost is a critical factor. For basic applications, operator panels with basic functions are often considered completely adequate.

It is precisely this requirement that we are addressing with our new SIMATIC Basic Panels. Concentrating on the essentials, these operator panels provide exactly the basic functionality that is needed – and on ideal economic terms. A perfect balance of price and performance.








Like all other devices in our product range, the new Basic Panels offer proven SIMATIC quality and, regardless of display size, numerous software functions as standard – for example, alarm logging, recipe management, trend functions and language switching. This means that, even in simple applications, users can benefit from the advantages of visualization, such as improved process quality.

Integrated: one product range for a host of different applications

The new SIMATIC Basic Panels with their attractive SIMATIC HMI industrial design feature a touch display for intuitive operation as standard. Fully graphical displays provide a brilliantly clear presentation of operator screens, opening up new opportunities for visualization. Apart from touchscreen operation on 4", 6" or 10" displays, the panels also have fully programmable keys with tactile feedback. A device with a 15" touch display is also available for applications where visualization requires a larger display. A standard feature of the new Basic Panels is communication via PROFINET/Ethernet, although versions designed for connection to PROFIBUS are also available.

Unbeatable: maximum configuration efficiency

As with all SIMATIC operator panels, the whole configuration process is performed using SIMATIC WinCC flexible. This innovative engineering software ensures maximum configuration efficiency. It is ideally scalable for all HMI applications and can be adapted to different levels of performance. Another advantage is that, if requirements change, the scalability of the integrated WinCC flexible software allows you to switch quickly and easily to devices in other performance classes or to other display sizes.

							
	KTP 400 Basic mono PN	KTP 600 Basic mono PN	KTP 600 Basic color DP	KTP 600 Basic color PN	KTP 1000 Basic color DP	KTP 1000 Basic color PN	TP 1500 Basic color PN
Display	STN, grayscales			TFT, 256 colors			
Size (inches)	3.8"	5.7"	5.7"	5.7"	10.4"	10.4"	15.1"
Resolution	320 x 240	320 x 240	320 x 240	320 x 240	640 x 480	640 x 480	1024 x 768
MTBF	30,000 hours		50,000 hours				
Control elements	Touchscreen and 4 tactile keys	Touchscreen and 6 tactile keys	Touchscreen and 6 tactile keys	Touchscreen and 6 tactile keys	Touchscreen and 8 tactile keys	Touchscreen and 8 tactile keys	Touchscreen
Interfaces							
PROFINET/Ethernet (RJ45)	•	•	–	•	–	•	•
PROFIBUS DP/MPI (RS 485/422)	–	–	•	–	•	–	–
Functionality							
Variables	128	128	128	128	256	256	256
Process images	50						
Alarms	200						
Curves	25						
Recipes	5 recipes, 20 data records, 20 entries						
Recipe memory	32 KB integrated Flash						
Degree of protection	IP65						
Certifications	CE, UL, cULus NEMA 4x						
Dimensions							
Front of enclosure (W x H)	140 x 116 mm	214 x 158 mm	214 x 158 mm	214 x 158 mm	335 x 275 mm	335 x 275 mm	400 x 310 mm
Installation cutout (W x H)	123 x 99 / 40 mm	197 x 141 / 44 mm	197 x 141 / 44 mm	197 x 141 / 44 mm	310 x 248 / 61 mm	310 x 248 / 61 mm	367 x 289 / 60 mm
Engineering software							
	SIMATIC WinCC flexible Compact						
Order Number	6AV6647-0AA11-3AX0	6AV6647-0AB11-3AX0	6AV6647-0AC11-3AX0	6AV6647-0AD11-3AX0	6AV6647-0AE11-3AX0	6AV6647-0AF11-3AX0	6AV6647-0AG11-3AX0
Order Number for Starter Pack ¹⁾	6AV6652-7AA01-3AA0	6AV6652-7BA01-3AA0	6AV6652-7CA01-3AA0	6AV6652-7DA01-3AA0	6AV6652-7EA01-3AA0	6AV6652-7FA01-3AA0	–

Worldwide service and support

As your partner, we provide you with help and advice at all times – anywhere in the world. Our competent and reliable service and support personnel can be contacted at our Regional Offices in some 190 countries – offering assistance on every aspect of the Human Machine Interface. Needless to say, you can also count on us if you need help configuring your panels.

Totally Integrated Automation

SIMATIC Basic Panels are part of the Totally Integrated Automation concept, the unique, integrated range of products and systems for implementing automation solutions in all industries, at every stage of the production process. The distinctive integrative features of Totally Integrated Automation help significantly to reduce the overall engineering effort and, therefore, the overall costs.

1) Gain an additional price advantage for yourself with our attractive starter packs. These comprise:

- The relevant SIMATIC Basic Panel
- SIMATIC WinCC flexible Compact engineering software
- SIMATIC HMI manual collection (DVD), in five languages (German, English, French, Italian, Spanish), containing all currently available user manuals, device manuals and communication manuals for SIMATIC HMI
- Ethernet cable for PN devices
- MPI cable for DP devices (for downloading and test purposes)
- Credit note for one year's software update service



Main features of the Basic Panels at a glance

- Ideal entry-level series with displays from 4" to 15" for controlling and monitoring small machines and plants
- Displays with touch functionality for intuitive operation
- Fully programmable keys with tactile feedback
- Versions available for connection to PROFINET/Ethernet or PROFIBUS DP/MPI
- Flexible scalability within the HMI series thanks to configuration with SIMATIC WinCC flexible
- Installation compatibility with existing touch devices of the Panels and Multi Panels
- Attractive industrial design of SIMATIC HMI
- Proven Siemens quality



Further information can be found at:

www.siemens.com/simatic-basic-panels
www.siemens.com/wincc-flexible-easy

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