

HMI Slim Line

Touch screen panel 16:9



 SÜTRON



HMI hardware



- Brushed aluminum front panel
- 16:9 wide screen format
- Portrait and landscape applications possible
- Display diagonal sizes 10,92 cm (4,3"), 14,78 cm (7"), 22,86 (9") and 30,48 cm (12")
- Individual operating concepts through the ability to display keypads or a soft keypad statically or dynamically
- All interfaces of the HMI Slim Line product family can be used
- TSwIn .net and Windows CE inside





Technical Data	General
Touch screen	Analog resistive
Processor	RISC ARM9 CPU, 200 MHz, real-time clock
Operating system	Windows CE 5.0
Memory	16 MB Flash (including 3 MB application memory); 32 MB SDRAM; 512 KB SRAM (battery-backed)
Interfaces	10/100 MBit Ethernet; 2 x USB Host 2.0 Full Speed; Options: CAN, DeviceNet, INTERBUS, MPI, PROFIBUS DP, RS232/RS485
Connection system	RJ45 female connector, USB female connector (type A), Phoenix COMBICON connector strips, D-SUB male and female connector strips
Supply voltage	24 V DC (SELV in accordance with DIN EN 61131) Minimum/maximum voltage: 18 V - 30 V DC
Degrees of protection	Front: IP65 Rear: IP20
Temperature range	Operation: 0 °C bis 50 °C Storage: -25 °C bis 70 °C
Relative air humidity for operation and storage	20% to 85% no dew condensation (non-condensing)
Front panel	Aluminium, natural anodized finish
Housing	Zinc-coated sheet steel
Certification	CE, UL, cUL
Applications	In numerous industrial sectors, such as: The automotive and automotive supply industry, plant construction and mechanical engineering, food and luxury food industry, etc.
External keyboard / mouse / bar-code reader	* / * / *

Technical Data	TP43AT	
Display	10,92 cm (4,3") TFT LED backlight white	 
Colors	65536	
Resolution (W x H in pixels)	480 x 272	
Front panel dimensions (W x H x D in mm)	140 x 100 x 5	
Mounting cut-out (W x H in mm)	132 x 92	
Mounting depth (in mm)		
- with bus interface	54	
- without bus interface	42	
Current consumption	0,25 A	
Connected load	6 W	
Weight (in g)	550	

Technical Data	TP70AT	
Display	17,78 cm (7") TFT	 
Colors	65536	
Resolution (W x H in pixels)	800 x 480	
Front panel dimensions (W x H x D in mm)	203 x 147 x 5	
Mounting cut-out (W x H in mm)	195 x 139	
Mounting depth (in mm)		
- with bus interface	66	
- without bus interface	54	
Current consumption	0,5 A	
Connected load	12 W	
Weight (in g)	1000	

Technical Data	TP90AT	
Display	22,86 cm (9") TFT	 
Colors	65536	
Resolution (W x H in pixels)	800 x 480	
Front panel dimensions (W x H x D in mm)	260 x 172 x 5	
Mounting cut-out (W x H in mm)	252 x 164	
Mounting depth (in mm)		
- with bus interface	66	
- without bus interface	54	
Current consumption	0,6 A	
Connected load	14,4 W	
Weight (in g)	1300	

Technical Data	TP120AT	
Display	30,48 cm (12") TFT	 
Colors	65536	
Resolution (W x H in pixels)	800 x 480	
Front panel dimensions (W x H x D in mm)	330 x 225 x 5	
Mounting cut-out (W x H in mm)	322 x 217	
Mounting depth (in mm)		
- with bus interface	66	
- without bus interface	54	
Current consumption	0,7 A	
Connected load	16,8 W	
Weight (in g)	1980	

Convincing Design and Functionality

The touch screen panels of the Slim Line product family with a brushed aluminium front panel, 16:9 wide screen format and WVGA resolution represent the newest generation of operating panels. Due to the wide screen format, machine processes can be grasped quickly and operated productively. The simultaneously display of high-quality graphics and other content types are no obstacle for the touch screen panels. While already viewing the application, technical documentation or a video can be displayed as well in order to monitor machines or processes.

Horizontal and Vertical Mounting Positions

The ability to mount in horizontal and vertical positions enable particularly space-saving installation of the operating devices. In addition, function keys or even an entire keypad can be displayed on the screen.

Long Service Life and Fail-Safe Design

The newest generation operating panels with a high-quality full-metal housing guarantee long life and fail safety through high-quality production, including the entire process from the IEC standard 61131 compliant product development to DIN ISO 9001 compliant manufacturing.

Easy Configuration

With the TSwin .net programming software, all programmed applications can be easily implemented. Even function key blocks and keypads can be individually designed and suited to fit into the landscape or portrait format.

Customized Applications

To suit the unique hard and software needs of your specific machine or installation, we can also offer to provide tailor-fit solutions.