

SIMATIC PANEL PC 577 12" TOUCH; 800X600; STANDARD
AC110-230V, POWER CABLE EUROPE CELERON P4 2,0 GHZ;
256MB DDR400 SDRAM (2X128MB); 40 GBYTE HARDDISK 2,5";
DVD-ROM; WINDOWS XP PROF. SP2 MUI

Display	
Design of display	12" TFT touch
Screen diagonal	12 in
Resolution (pixels)	
• Horizontal image resolution	800 Pixel
• Vertical image resolution	600 Pixel
General features	
• Expansion components	SIMATIC NET communications modules
Backlighting	
• MTBF backlighting (at 25 °C)	50 000 h
Control elements	
Input device	
• Mouse, at front	No
Keyboard fonts	
• Function keys	No
• alphanumeric keyboard	No
Touch operation	
• Design as touch screen	Yes
Installation type/mounting	
central design	Yes
distributed design	No
maximum permissible installation angle +/-	5° opposed to vertical
Supply voltage	
Type of supply voltage	110/230V AC (autorange) 50/60 Hz
Line frequency	
• Rated value 50 Hz	Yes
• Rated value 60 Hz	Yes
Power loss	
In full configuration	Max. 190W (15W included per slot)
Processor	
Processor type	Intel Pentium 4 Technology; Intel Celeron 2.0 GHz, Intel Pentium 4 2.4 GHz

Drives	
Optical drives	Optional: DVD±R±RW combi drive; on rear, can be operated from side
Diskette drive	optional via external USB drive
Hard disk	2.5" EIDE hard disk ≥ 40 GB, vibration and oscillation-resistant mounting
Memory	
Type of memory	DDR-400
Main memory	256 MB, 512 MB or 1 GB, max. 3 GB
Capacity of main memory, max.	3 072 Mbyte
Hardware configuration	
Slots	
• free slots	3x PCI (slot with board retainer)
• Number of PCI slots	3
• Number of compact flash slots	0
Interfaces	
PROFIBUS/MPI	can be implemented with plug-in card
USB port	1x at front, 4x at rear, USB 2.0 (500 mA)
Connection for keyboard/mouse	PS/2 or USB; PS/2 or USB
serial interface	COM1: 1 x V.24 (RS232)
parallel interface	LPT1 (EPP/ECP)
Video interfaces	
• Graphics interface	VGA interface can be used for additional display unit; color depth 32 bit, 8-128 MB shared memory
Industrial Ethernet	
• Industrial Ethernet interface	Onboard, 10/100/1000 Mbit/s, RJ45, no plug-in card necessary
— 100 Mbps	Yes
— 1000 Mbps	Yes
Integrated Functions	
Monitoring functions	
• Temperature monitoring	Yes
• Watchdog	Yes
• Status LEDs	No
Degree and class of protection	
IP (at the front)	IP65 (on front) to EN60529 and NEMA4
Standards, approvals, certificates	
Approval	CE, cULus (508), C-TICK
CE mark	Yes
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
• EN 61000-6-2	Yes
Marine approval	

• Germanischer Lloyd (GL)	No
• American Bureau of Shipping (ABS)	No
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	No
• Lloyds Register of Shipping (LRS)	No
• Polski Rejestr Statkow (PRS)	No

Ambient conditions

Ambient temperature during operation	
• Ambient temperature during operation	+5 °C to +45 °C with full configuration
• min.	5 °C
• max.	45 °C
Relative humidity	
• Relative humidity	Tested to DIN IEC 60068-2-3, DIN IEC 60068-2-30, DIN IEC 60068-2-56: 5% to 80% at 25 °C (no condensation)
Vibrations	
• Vibration load in operation	Tested to DIN IEC 60068-2-6: 20 Hz to 58 Hz: 0.0185 mm, 58 Hz to 200 Hz: 2.5 m/s ² (0.25g)
Shock testing	
• Shock load during operation	Tested to DIN IEC 60068-2-29: 10 m/s ² (1g), 30 ms, 100 shocks

Operating systems

Operating system	Windows 2000 Prof. (Multi-Language), Windows XP Prof. (Multi-Language), opt. without operating system
pre-installed operating system	Yes
Additional info on operating system	Multi-Language: DE, EN, IT, FR, SP, KOR, CHN (Traditional), CHN (Simplified), JPN
without operating system	Yes
pre-installed operating system	
• Windows XP Professional	Yes

Software

SIMATIC Software	Optionally in package with SIMATIC WinCC or WinCC flexible
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Accessories

Accessory components	Touch protective foil
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Dimensions

Overall depth	
• additional mounting depth (optical drive)	27 mm
Operator control unit (W x H) in mm	
• Operator panel width	400 mm
• Operator panel height	310 mm
Install. dimensions, centralized design (W x H x D without optical drive) in mm	
• Width	368 mm

- Height 290 mm
- Depth 152 mm

Weights

Panel PC in central design, approx. 11 kg

Other

Warranty period 24 mo; Warranty period

last modified: 08/29/2017