

SIMATIC PANEL PC 477 15" TOUCH DISPLAY, 1024 X 768, STANDARD FRONT W. USB INTERFACE DC 24V PUWER SUPPLY, PENTIUM III 933MHZ; 133MHZ FSB, PROFIBUS DP 12; 512MB SDRAM, W/O 2. MASS STORAGE, 1 GBYTE COMPACT-FLASH; WINDOWS XP SP2 EMBEDDED PREINSTALLED

Display	
Design of display	15" TFT touch
Screen diagonal	15 in
Resolution (pixels)	
• Horizontal image resolution	1 024 Pixel
• Vertical image resolution	768 Pixel
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 +/-	35° opposite the vertical
Supply voltage	
Type of supply voltage	110/230 V AC (autorange) 50/60 Hz; optional 24 V DC
Line frequency	
• Rated value 50 Hz	Yes
• Rated value 60 Hz	Yes
Power loss	
In full configuration	24 V DC: max. 85 W, 230 V AC: max. 85 W (3 W included per slot)
Processor	
Processor type	Intel Pentium III Technology; Intel Celeron 650 MHz, Intel Pentium III 933 MHz

Drives	
Optical drives	possible as external drive via USB
Diskette drive	optional: via external USB floppy disk drive
Hard disk	Compact Flash Drive, 512 MB or 1GB
Memory	
Type of memory	SDRAM-133
Main memory	512 MB
Capacity of main memory, max.	512 Mbyte
Hardware configuration	
Slots	
• free slots	3x PC104+ (via spec. expansion rack)
• Number of compact flash slots	1
Interfaces	
PROFIBUS/MPI	Optionally onboard, isolated, max. 12 Mbit/s, no plug-in card necessary, CP 5611-compatible
USB port	1 x on front, 2 x on rear, USB 2.0 (500 mA)
Connection for keyboard/mouse	USB / USB
serial interface	COM1: 1 x V.24 (RS232)
Video interfaces	
• Graphics interface	DVI-I usable for additional display unit (VGA via adapter); color depth 16 bits, video memory up to 32 MB, resolution in each case as integrated display
Industrial Ethernet	
• Industrial Ethernet interface	Onboard, 2 x 10/100 Mbit/s, RJ45, no plug-in card necessary
— 100 Mbps	Yes
— 1000 Mbps	No
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)
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)
- Bureau Veritas (BV)
- Det Norske Veritas (DNV)
- Lloyds Register of Shipping (LRS)
- Polski Rejestr Statkow (PRS)

No
No
No
No
No

Ambient conditions

Ambient temperature during operation

- Ambient temperature during operation +5 °C to +45 °C with full configuration; fanless
- 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: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)

Shock testing

- Shock load during operation Tested to DIN IEC 60068-2-29: 50 m/s² (5 g), 30 ms, 100 shocks

Operating systems

Operating system Windows XP Embedded

pre-installed operating system Yes

Additional info on operating system Language: EN

without operating system No

pre-installed operating system

- Windows XP Professional No

Software

SIMATIC Software Optionally with pre-installed software bundle SIMATIC WinCC flexible or WinCC flexible / WinAC RTX

Accessories

Accessory components Touch protective foil

Dimensions

Operator control unit (W x H) in mm 483 mm x 310 mm (19", 7 HU)

- Operator panel width 483 mm
- Operator panel height 310 mm

Install. dimensions, centralized design (W x H x D without optical drive) in mm 450 mm x 290 mm x 75 mm

- Width 450 mm
- Height 290 mm
- Depth 75 mm

Weights

Panel PC in central design, approx. 8.3 kg

Other

Warranty period

24 mo; Warranty period

last modified:

08/29/2017