

no longer available SIMATIC HMI IPC 477C optional bundle with WinCC flexible 2008/WinAC, 12" Touch display, 800x 600; 4 USB (back)+1 USB (front)

General information

Product type designation IPC477C

Display

Design of display 12" TFT touch

Screen diagonal 12 in

Resolution (pixels)

- Horizontal image resolution 800 Pixel
- Vertical image resolution 600 Pixel

Backlighting

- MTBF backlighting (at 25 °C) 50 000 h

Control elements

Input device

- Mouse, at front No

Keyboard fonts

- Function keys No
 - Number of function keys 0
- alphanumeric keyboard No

Touch operation

- Design as touch screen Yes

Installation type/mounting

central design Yes

distributed design No

maximum permissible installation angle +/- 45°

Supply voltage

Type of supply voltage 24 V DC

Power loss

In full configuration 24 V DC: max. 60 W (incl. USB interfaces)

Processor

Processor type Intel Celeron M 1.2 GHz, Intel Core2Solo 1.2 GHz or Intel Core2Duo 1.2 GHz

Drives

Optical drives possible as external drive via USB

Diskette drive	optional: via external USB floppy disk drive
Hard disk	Compact Flash Drive, without rotating parts or Solid State Drive with at least 32 GB can be selected using the Configurator

Memory	
Type of memory	DDR3-SDRAM
Main memory	512 MB
Capacity of main memory, max.	4 096 Mbyte; At least 3.2 GB can be used

Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags), max.	2 048 kbyte; 128 KB can be stored in the buffer time

Hardware configuration	
Slots	
<ul style="list-style-type: none"> • free slots 	1x CF card slot, externally accessible, 1x CF card slot in device interior, 1x SSD slot
<ul style="list-style-type: none"> • Number of PCI slots 	0
<ul style="list-style-type: none"> • Number of compact flash slots 	2

Interfaces	
PROFIBUS/MPI	1 X CP5611-comptable
USB port	1x on front, 4x on reverse, USB 2.0 (3x 500 mA)
Connection for keyboard/mouse	USB / USB
serial interface	COM1: 1 x V.24 (RS232)
parallel interface	0
Video interfaces	
<ul style="list-style-type: none"> • Graphics interface 	DVI-I: VGA / DVI combined
Industrial Ethernet	
<ul style="list-style-type: none"> • Industrial Ethernet interface 	PROFIBUS version, onboard 2 x: PROFINET version, onboard 1 x: 10/100/1000 Mbit/s, RJ45, no plug-in card necessary.
<ul style="list-style-type: none"> — 100 Mbps 	Yes
<ul style="list-style-type: none"> — 1000 Mbps 	Yes

Integrated Functions	
Monitoring functions	
<ul style="list-style-type: none"> • Temperature monitoring 	Yes
<ul style="list-style-type: none"> • Watchdog 	Yes
<ul style="list-style-type: none"> • Status LEDs 	No

Degree and class of protection	
IP (at the front)	IP65

Standards, approvals, certificates	
Approval	CE, cULus (508)
CE mark	Yes
EMC	CE, EN 61000-6-4; CISPR 22:2004 Class A; FCC Class A
Marine approval	

• Germanischer Lloyd (GL)	Yes
• American Bureau of Shipping (ABS)	Yes
• Bureau Veritas (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Polski Rejestr Statkow (PRS)	Yes

Ambient conditions

Ambient temperature during operation	
• Ambient temperature during operation	In maximum configuration: +0 °C to +45 °C or +0 °C to +50 °C in installation space, if max. 40 °C at front
• min.	0 °C
• max.	50 °C
Relative humidity	
• Relative humidity	Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5% to 85% at 30 °C (no condensation) Storage: 5% to 95% at 25 °C (no condensation)
Vibrations	
• Vibration resistance during operation acc. to IEC 60068-2-6	Tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s ² (1 g)
Shock testing	
• Shock load during operation	Tested according to DIN IEC 60068-2-7: 50 m/s ² (5 g), 30 ms

Operating systems

Operating system	Windows XP Prof. (Multi-Language), Windows XP embedded or optionally without operating system
pre-installed operating system	Yes
Additional info on operating system	Language: EN/DE
without operating system	No
pre-installed operating system	
• Windows XP Professional	Yes

Software

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

Accessory components	Touch protective foil
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Dimensions

Overall depth	
• additional mounting depth (optical drive)	No drive planned.
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	368 mm x 290 mm x 75 mm
<ul style="list-style-type: none"> • Width • Height • Depth 	<ul style="list-style-type: none"> 400 mm 310 mm 75 mm
Mounting cutout/device depth (W x H x T)	368 mm x 290 mm / 75 mm device depth

Weights	
Panel PC in central design, approx.	6.1 kg

Other	
Warranty period	24 mo; Warranty period
last modified:	04/06/2018