

\*\*\*no longer available\*\*\* SIMATIC HMI IPC 477C optional bundle with WinCC flexible 2008/WinAC, 15" Touch display, 1024x 768; 4 USB (back)+1 USB (front)

General information	
Product type designation	IPC477C
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
— 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	140W max. (15W included per slot)
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
<b>Memory</b>	
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
<b>Data areas and their retentivity</b>	
Retentive data area (incl. timers, counters, flags), max.	2 048 kbyte; 128 KB can be stored in the buffer time
<b>Hardware configuration</b>	
<b>Slots</b>	
• free slots	1x CF card slot, externally accessible, 1x CF card slot in device interior, 1x SSD slot
• Number of PCI slots	0
• Number of compact flash slots	2
<b>Interfaces</b>	
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
<b>Video interfaces</b>	
• Graphics interface	DVI-I: VGA / DVI combined
<b>Industrial Ethernet</b>	
• Industrial Ethernet interface	PROFIBUS version, onboard 2 x: PROFINET version, onboard 1 x: 10/100/1000 Mbit/s, RJ45, no plug-in card necessary.
— 100 Mbps	Yes
— 1000 Mbps	Yes
<b>Integrated Functions</b>	
<b>Monitoring functions</b>	
• Temperature monitoring	Yes
• Watchdog	Yes
• Status LEDs	No
<b>Degree and class of protection</b>	
IP (at the front)	IP65
<b>Standards, approvals, certificates</b>	
Approval	CE, cULus (508)
CE mark	Yes
EMC	CE, EN 61000-6-4; CISPR 22:2004 Class A; FCC Class A
<b>Marine approval</b>	

• 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 <sup>2</sup> (1 g)
Shock testing	
• Shock load during operation	Tested according to DIN IEC 60068-2-7: 50 m/s <sup>2</sup> (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 (not for Inox front)
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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	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
Mounting cutout/device depth (W x H x T)	450 mm x 290 mm/75 mm device depth

## Weights

Panel PC in central design, approx.	7 kg
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## Other

Warranty period	24 mo; Warranty period
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<b>last modified:</b>	04/06/2018
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