

no longer available SIMATIC HMI IPC 577C PCI slot, 4 USB (back)+1 USB (front), Ethernet (10/100/1000), 15" touch display ; Core 2 Duo 1.86 GHz, PROFINET (IE); 2x 1 Gbit 2 GB -RAM, DDR3; 2nd mass storage: DVD RW 1st mass storage (Operating system optional): 80 GB Solid-State Drive SATA (standard) WinXP Prof. pre-installed (only possible with HD or SSD) without expansion (software) 110/230 V AC power supply unit with NAMUR, Power supply cable USA

General information

Product type designation	IPC577C
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Display

Design of display	15" TFT touch
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Screen diagonal	15 in
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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
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distributed design	No
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maximum permissible installation angle +/-	45°
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Supply voltage

Type of supply voltage	110/230 V AC or 24 V DC
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Power loss

In full configuration	24 V DC: max. 80 W (incl. USB interfaces)
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Processor

Processor type	Intel Celeron M 1.2 GHz, Intel Core2Solo 1.2 GHz, Intel Core2Duo 1.86 GHz
Drives	
Optical drives	Optional: DVD±R±RW combi drive; on rear, can be operated from side
Hard disk	3.5" SATA hard disk ≥ 80 GB, vibration-resistant mounting
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 PCI slot in device interior, 1x SSD slot
<ul style="list-style-type: none"> • Number of PCI slots 	1
<ul style="list-style-type: none"> • Number of compact flash slots 	1
Interfaces	
PROFIBUS/MPI	1x CP5611 comtable
USB port	1x on front, 4x on reverse, USB 2.0 (3x 500 mA)
Connection for keyboard/mouse	USB / USB
serial interface	COM1: 1x V.24 (RS 232)
parallel interface	0
Multimedia	
<ul style="list-style-type: none"> • Audio In/Out 	No
<ul style="list-style-type: none"> • Microphone In 	No
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	
CE mark	Yes
EMC	CE, EN 61000-6-4; CISPR 22:2004 Class A; FCC Class A
Marine approval	
<ul style="list-style-type: none"> • Germanischer Lloyd (GL) • 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
	No
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> • 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
Relative humidity	
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • Vibration resistance during operation acc. to IEC 60068-2-6 	Mech. environmental conditions tested in acc. with IEC 60068-2-6 Vibration: in operation with CompactFlash Card and SSD: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 500 Hz: 9.8 m/s ² ; in operation with HDD: 10 Hz to 58 Hz: 0.0375 mm, 58 Hz to 500 Hz: 4.9 m/s ²
Shock testing	
<ul style="list-style-type: none"> • Shock load during operation 	Tested according to DIN IEC 60068-2-7: 50 m/s ² (5 g), 30 ms
Operating systems	
pre-installed operating system	Windows XP Embedded and Win XP Prof.
Additional info on operating system	WIN XPe: GER/ENG WIN XP Prof: MUI Language: GER, ENG, IT, FR, SP, KOR, CHN (traditional), CHN (simplified), JPN
without operating system	Yes
pre-installed operating system	
<ul style="list-style-type: none"> • Windows XP Professional 	Yes; Only with SSD or HDD
Accessories	
Accessory components	Touch protective foil
Dimensions	
Overall depth	
<ul style="list-style-type: none"> • additional mounting depth (optical drive) 	23 mm
Operator control unit (W x H) in mm	
<ul style="list-style-type: none"> • Operator panel width • Operator panel height 	483 mm 310 mm

Mounting dimensions in centralized configuration (W x H x D) in mm	450 mm x 290 mm x 120 mm
<ul style="list-style-type: none"> • Width • Height • Depth 	<ul style="list-style-type: none"> 483 mm 311 mm 85 mm
Mounting cutout/device depth (W x H x T)	450 mm x 290 mm x 120 mm

Weights

Panel PC in central design, approx.	9 kg
last modified:	02/13/2020