# SIEMENS

## Data sheet

***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

| | |
|---|---|
| ● 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 |

## 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

| | |
|---|---|
| ● Graphics interface | DVI-I: VGA / DVI combined |

### Industrial Ethernet

| | |
|---|---|
| ● 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 |

## Integrated Functions

### Monitoring functions

| | |
|---|---|
| ● Temperature monitoring | Yes |
| ● Watchdog | Yes |
| ● 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

04/07/2018

| | |
|---|---|
| • 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/s² (1 g) |

### Shock testing

| | |
|---|---|
| • Shock load during operation | Tested according to DIN IEC 60068-2-7: 50 m/s² (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 |

## Accessories

| | |
|---|---|
| Accessory components | Touch protective foil |

## 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 |
|---|---|
| • Width | 400 mm |
| • Height | 310 mm |
| • Depth | 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 |

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