SIEMENS

Data sheet   6AV7884-0AD20-4EA0

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