SIEMENS

Data sheet   **6AV7885-2AK21-1DA2**

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): 320 GB HDD SATA 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 Europe

General information	
Product type designation	IPC577C

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	110/230 V AC or 24 V DC

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

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	
● free slots	1x CF card slot, externally accessible, 1x PCI slot in device interior, 1x SSD slot
● Number of PCI slots	1
● Number of compact flash slots	1

Interfaces	
PROFIBUS/MPI	1x 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: 1x V.24 (RS 232)
parallel interface	0
Multimedia	
● Audio In/Out	No
● Microphone In	No

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

CE mark	Yes
EMC	CE, EN 61000-6-4; CISPR 22:2004 Class A; FCC Class A

Marine approval	
● Germanischer Lloyd (GL)	No
● American Bureau of Shipping (ABS)	No
● Bureau Veritas (BV)	No
● Det Norske Veritas (DNV)	No
● Lloyds Register of Shipping (LRS)	No
● Polski Rejestr Statkow (PRS)	No

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

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	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/s²; in operation with HDD: 10 Hz to 58 Hz: 0.0375 mm, 58 Hz to 500 Hz: 4.9 m/s²

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	
● Windows XP Professional	Yes; Only with SSD or HDD

Accessories

Accessory components	Touch protective foil

Dimensions

Width of the housing front	483 mm
Height of housing front	310 mm
Mounting cutout, width	450 mm
Mounting cutout, height	290 mm
Overall depth	120 mm
● additional mounting depth (optical drive)	23 mm

Weights

Weight, approx.	9 kg
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