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Data sheet 6AV7885-3AK11-1DA1

no longer available SIMATIC HMI IPC 577C PCI slot, 4 USB (back)+1 USB (front), Ethernet (10/100/1000), 15" Key display ; Core 2 Duo 1.86 GHz, PROFINET (IE); 2x 1 Gbit 1 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,

Display	
Design of display	15" TFT
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	
● Integrated mouse cursor control	Yes
● Mouse, at front	Yes
Keyboard fonts	
● Function keys	
— Number of function keys	36
● alphanumeric keyboard	Yes
Touch operation	
● Design as touch screen	No
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 CP 5611 comptable
USB port	1x on front, 4x on reverse, USB 2.0 (3x 500 mA)
Connection for keyboard/mouse	USB / USB
parallel interface	0
Multimedia	

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● 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
Protocols	
Protocols (Ethernet)	
● TCP/IP	Yes
Integrated Functions	
Monitoring functions	
● Temperature monitoring	Yes
● Watchdog	Yes
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
Use in hazardous areas	
● FM Class I Division 2	No
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	
● 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	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
Shock testing	
● Shock load during operation	Tested according to DIN IEC 60068-2-7: 50 m/s² (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	
● Windows XP Professional	Yes; Only with SSD or HDD
Accessories	
Accessory components	Slide-in keyboard labels
Dimensions	
Width of the housing front	483 mm
Height of housing front	355 mm
Mounting cutout, width	450 mm
Mounting cutout, height	321 mm
Overall depth	115 mm
● additional mounting depth (optical drive)	23 mm
Weights	
Weight, approx.	9.3 kg

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Approvals / Certificates

General Product Approval				EMV	Dangerous goods
CE EG-Konf.	UKCA	UL	KC	RCM	Dangerous goods information

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