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Data sheet 6AV7884-0AD20-7DA0

	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) Standard front Core 2 Solo 1.2 GHz, PROFINET (IE); 2x 1 Gbit 2 GB -RAM, DDR3; 2nd CF slot not equipped 80 GB Solid-State Drive SATA (standard) Windows XP Prof. Multi-Language pre-installed on SSD without SIMATIC software
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	
● Integrated mouse cursor control	No
Keyboard	
● 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
Supply voltage	
Type of supply voltage	24 V DC
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
Hard disk	Compact Flash Drive, without rotating parts or Solid State Drive with at least 32 GB can be selected using the Configurator
Storage	
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	
● Number of PCI slots	0
● Number of compact flash slots	2
Interfaces	
serial interface	COM1: 1x V.24 (RS 232)
Video interfaces	
● Graphics interface	DVI-I: VGA / DVI combined
Industrial Ethernet	
● Industrial Ethernet interface	
— 100 Mbps	Yes
— 1000 Mbps	Yes
Protocols	

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Protocols (Ethernet)	
● TCP/IP	Yes
Interrupts/diagnostics/status information	
LED status display	No
Integrated Functions	
Monitoring functions	
● Temperature monitoring	Yes
Degree and class of protection	
IP (at the front)	IP65
Standards, approvals, certificates	
CE mark	Yes
Use in hazardous areas	
● FM Class I Division 2	No
Marine approval	
● 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	
● min.	0 °C
● max.	50 °C
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)
Operating systems	
pre-installed operating system	Windows XP Prof. (Multi-Language), Windows XP embedded or optionally without operating system
without operating system	No
pre-installed operating system	
● Windows XP Professional	Yes
Dimensions	
Width of the housing front	400 mm
Height of housing front	310 mm
Mounting cutout, width	368 mm
Mounting cutout, height	290 mm
mounting depth	75 mm
Weights	
Weight, approx.	6.1 kg
Approvals / Certificates	
General Product Approval	

CE EG-Konf.	UKCA	UL	KC	KC	CE EG-Konf.

General Product Approval	EMV	Maritime application			
UKCA	RCM	ABS	BUREAU VERITAS	NK / Nippon Kaiji Kyokai	CCS (China Classification Society)

Maritime application	Dangerous goods

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KR (Korean Register of Shipping)	Dangerous goods information	Test Summary Report UN 38.3	Dangerous goods information	Test Summary Report UN 38.3

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