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Data sheet 6AV7884-1AE20-7BA0

	no longer available SIMATIC HMI IPC 477C optional bundle with WinCC flexible 2008/WinAC, 12" Key Display, 800x 600; 4 USB (back)+1 USB (front) Standard front Core 2 Solo 1.2 GHz, PROFINET (IE); 2x 1 Gbit; PROFIBUS DP 12 2 GB -RAM, DDR3; 2nd CF slot not equipped 80 GB Solid-State Drive SATA (standard) Windows Embedded Standard 2009 pre-installed without SIMATIC software
Display	
Design of display	12" TFT
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	Yes
Keyboard	
● 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
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

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Protocols	
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	483 mm
Height of housing front	310 mm
Mounting cutout, width	450 mm
Mounting cutout, height	290 mm
mounting depth	75 mm
Weights	
Weight, approx.	6.6 kg
Approvals / Certificates	

General Product Approval









Manufacturer Declaration



General Product Approval	EMV	Maritime application			









NK / Nippon Kaiji Kyokai

CCS (China Classification Society)

Dangerous goods

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Dangerous goods information	Test Summary Report UN 38.3	Dangerous goods information	Test Summary Report UN 38.3

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