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Data sheet 6AV7883-7AJ20-3EC0

	**** no longer available **** SIMATIC HMI IPC 477C pro optional bundle with WinCC flexible 2008/WinAC, 19" Touch Display; fully protected IP65, 4 USB (back) Standard front Core 2 Duo 1.2 GHz, PROFINET (IE); 1x 1 Gbit; PROFINET (IRT) 3 ports; (software bundles on request) 2 GB -RAM, DDR3; 2nd CF slot not equipped CF card: 4 GB Windows Embedded Standard 7 pre-installed; (only possible with CF or SSD) WinCC flexible RT 128 PT (incl. archives and recipes)
Installation type/mounting	
maximum permissible installation angle +/-	20°
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
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
Hardware configuration	
Slots	
● free slots	1x slot for CF card; 1x slot for SD/MMC
● Number of PCI slots	0
● Number of compact flash slots	1
Interfaces	
PROFIBUS/MPI	1x CP 5611 comptable
USB port	4x High Current
Connection for keyboard/mouse	USB / USB
parallel interface	0
Multimedia	
● Audio In/Out	No
● Microphone In	No
Video interfaces	
● Graphics interface	DVI-I usable for additional display unit (VGA via adapter); color depth 32 bit, 8 to 128 MB Shared Memory
Industrial Ethernet	
● Industrial Ethernet interface	Onboard, 10/100/1 000 Mbit, 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 (on front) to EN60529 and NEMA4
Standards, approvals, certificates	
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
Marine approval	
● Germanischer Lloyd (GL)	Yes
● American Bureau of Shipping (ABS)	Yes
● Bureau Veritas (BV)	Yes
● Det Norske Veritas (DNV)	Yes

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● Lloyds Register of Shipping (LRS)	Yes
● Polski Rejestr Statkow (PRS)	Yes
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	45 °C
Relative humidity	
● Relative humidity	Tested to DIN IEC 60068-2-3, DIN IEC 60068-2-30, DIN IEC 60068-2-56: 5% to 80% 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 to DIN IEC 60068-2-29: 50 m/s² (5 g), 30 ms, 100 shocks
Operating systems	
pre-installed operating system	Windows XP Prof. (Multi-Language), Windows XP embedded or optionally without operating system
Additional info on operating system	Language: EN/DE
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
Approvals / Certificates	

General Product Approval					EMV
CE EG-Konf.	UKCA	Miscellaneous	UL	KC	RCM

Dangerous goods

Dangerous goods information

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