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Data sheet 6AV7884-1AH20-7DA0

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 Duo 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 XP Prof. Multi-Language pre-installed on SSD without SIMATIC software

General information	
Product type designation	IPC477C
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
● 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	24 V DC
Power loss	
In full configuration	24 V DC: max. 60 W (incl. USB interfaces)
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
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 CF card slot in device interior, 1x SSD slot
● Number of PCI slots	0
● Number of compact flash slots	2
Interfaces	
PROFIBUS/MPI	1x CP 5611 comptable

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USB port	1x on front, 4x on reverse, USB 2.0 (3x 500 mA)
Connection for keyboard/mouse	USB / USB
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
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)	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
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	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 according to DIN IEC 60068-2-7: 50 m/s² (5 g), 30 ms
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
without operating system	No
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
Accessories	
Accessory components	Slide-in keyboard labels
Dimensions	
Width of the housing front	483 mm
Height of housing front	310 mm
Mounting cutout, width	450 mm

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Mounting cutout, height	290 mm
Overall depth	75 mm
● additional mounting depth (optical drive)	no drive planned

Weights

Weight, approx.	6.6 kg

Approvals / Certificates

General Product Approval				EMV	Marine / Shipping
CE EG-Konf.	UKCA	UL	KC	RCM	ABS

Marine / Shipping			Dangerous goods
BUREAU VERITAS	NK / Nippon Kaiji Kyokai	CCS (China Classification Society)	Dangerous goods information

last modified: 8/31/2021

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