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Data sheet 6AV7884-2AA20-2BA0

no longer available SIMATIC HMI IPC 477C optional bundle with WinCC flexible 2008/WinAC, 15" Touch display, 1024x 768; 4 USB (back)+1 USB (front) Standard front Celeron M 1.2 GHz, PROFINET (IE); 2x 1 Gbit 2 GB -RAM, DDR3; 2nd CF slot not equipped CF card: 2 GB; (not with SIMATIC software) Windows Embedded Standard 2009 pre-installed without SIMATIC software

Display	
Design of display	15" TFT touch
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	No
● Mouse, at front	No
Keyboard fonts	
● 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
maximum permissible installation angle +/-	45°
Supply voltage	
Type of supply voltage	24 V DC
Power loss	
In full configuration	140W max. (15W included per slot)
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
USB port	1x on front, 4x on reverse, USB 2.0 (3x 500 mA)
Connection for keyboard/mouse	USB / USB
parallel interface	0

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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	Touch protective foil (not for Inox front)
Dimensions	
Width of the housing front	483 mm
Height of housing front	310 mm
Mounting cutout, width	450 mm
Mounting cutout, height	290 mm
Overall depth	75 mm
● additional mounting depth (optical drive)	no drive planned

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Weights

Weight, approx.	7 kg

Classifications

	Version	Classification
eClass	14	19-20-01-03
eClass	12	19-20-01-03
eClass	9.1	19-20-01-03
eClass	9	19-20-01-03
eClass	8	27-24-23-01
eClass	7.1	27-24-23-01
eClass	6	27-24-23-01
ETIM	9	EC001414
ETIM	8	EC001414
ETIM	7	EC001414

Approvals / Certificates

General Product Approval

KC

EMV

Marine / Shipping

Marine / Shipping

NK / Nippon Kaiji Kyokai

Miscellaneous

CCS (China Classification Society)

Dangerous goods

Dangerous goods information

last modified: 11/21/2024

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