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Data sheet 6AV7240-0BC04-0HE8

*** no longer available *** SIMATIC IPC 477D with TPM, 15" Touch display; 4 USB (back)+1 USB (front), Ethernet (10/100/1000); 24 V DC power supply, (not for China); Celeron U827E; 2x Gbit Ethernet (IE/PN); 4 GB; 1x RS-232; without PCIE; WIN Embedded Standard 7, 32-bit Replaceable without drive; SSD 80 GB Standard (MLC); WinCC RT Adv. V13 SP1 2048PT (incl. Logging and Recipes); WinCC RT Adv. V15 license package;

General information	
Product type designation	IPC477D
Display	
Design of display	15" TFT touch
Screen diagonal	15 in
Resolution (pixels)	
● Horizontal image resolution	1 280 pixel
● Vertical image resolution	800 pixel
Control elements	
Keyboard	
● Function keys	No
● alphanumeric keyboard	No
Touch operation	
● Design as touch screen	Yes; analog, resistive
Installation type/mounting	
Design	Box PC, built-in unit
central design	Yes
distributed design	No
Mounting in portrait format possible	Yes
Supply voltage	
Type of supply voltage	100/240 V AC (autorange) 50/60 Hz; optional 24 V DC
Line frequency	
● Rated value 50 Hz	Yes
● Rated value 60 Hz	Yes
Processor	
Processor type	Intel Core i7-3517UE Intel Core i3-3217UE Intel Celeron 827E
Graphic	
Graphics controller	Intel HD graphics controller
Drives	
Optical drives	Optional: DVD±R±RW combi drive; on rear, can be operated from side
Hard disk	2.5" SATA hard disk, at least 320 GB
SSD	Yes; 1x 240 GB SSD, 1x 480 GB SSD
Storage	
Type of memory	DDR3-SDRAM
Main memory	2 / 4 / 8 GB
Capacity of main memory, max.	8 Gbyte
Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags), max.	512 kbyte; 128 KB can be stored in the buffer time; optional
Hardware configuration	
Slots	
● Number of PCI slots	1; Optional
● Number of compact flash slots	2; CFast
Interfaces	
Number of PROFINET interfaces	3; 3 ports (IRT, with switch, optional)
serial interface	COM1: 1x RS 232, COM2 (optional): 1x RS 232
Video interfaces	

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● Graphics interface	DVI VGA / DVI integrated
Interrupts/diagnostics/status information	
LED status display	Yes
Integrated Functions	
Monitoring functions	
● Temperature monitoring	Yes
● Monitoring function via network	Optional
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
● UL 508	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
FCC	Yes
Use in hazardous areas	
● ATEX Zone 2	Yes; Optional
● ATEX Zone 22	Yes; Optional
● IECEx Zone 2	Yes; Optional
● cULus Class I Zone 2, Division 2	Yes
Marine approval	
● Germanischer Lloyd (GL)	Yes
● American Bureau of Shipping (ABS)	Yes
● Bureau Veritas (BV)	Yes
● Det Norske Veritas (DNV)	Yes
● Korean Register of Shipping (KRS)	Yes
● Lloyds Register of Shipping (LRS)	Yes
● Nippon Kaiji Kyokai (Class NK)	Yes
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	50 °C
Ambient temperature during storage/transportation	
● min.	-20 °C
● max.	60 °C
Vibrations	
● Vibration resistance during operation acc. to IEC 60068-2-6	IEC 60068-2-6; 5 Hz to 9 Hz: 3.5 mm; 9 Hz to 500 Hz: 9.8 m/s² (with SSD or CFast); 10 Hz to 58 Hz: 0.0375 mm; 58 Hz to 200 Hz: 4.9 m/s² (hard disk)
Operating systems	
pre-installed operating system	Windows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 P, 32-bit, MUI
without operating system	Yes
pre-installed operating system	
● Windows 7	Yes; Ultimate 32 bit or 64 bit
Dimensions	
Width of the housing front	415 mm
Height of housing front	310 mm
Mounting cutout, width	396 mm
Mounting cutout, height	291 mm
mounting depth	76 mm
Weights	
Weight, approx.	4 920 g
Approvals / Certificates	
General Product Approval	

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Miscellaneous	Manufacturer Declaration				

General Product Approval					Maritime application
	Manufacturer Declaration	China RoHS			

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

Environment	
Environmental Confirmations	Environmental Confirmations

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