SIEMENS

Data sheet 6AV7881-5AF00-6DH0

No longer available SIMATIC IPC277D (Nanopanel PC) 19" Touch TFT, Front USB; 2x 10/100/1000 Mbps Ethernet RJ45; 3x USB V2.0 (high current); 1x serial (COM 1); CompactFlash slot; 24 V DC power supply ATOM E660 (1.3 GHz), 2 GB RAM; Retentivity standard front 240 GB Solid-State-Drive SATA WES 7 SP1 (CF 4 GB or more/SSD) WinCC Advanced RT V13 2048 PT (including logging and recipes); WinCC RT Adv. V14 license package;

General information	
Product type designation	IPC277D
Display	
Design of display	19" TFT touch
Screen diagonal	19 in
Resolution (pixels)	
● Horizontal image resolution	1 366 pixel
● Vertical image resolution	768 pixel
Backlighting	
● MTBF backlighting (at 25 °C)	80 000 h
Control elements	
Keyboard	
● Function keys	No
● alphanumeric keyboard	No
Touch operation	
● Design as touch screen	Yes
Installation type/mounting	
Design	Panel PC, built-in unit
central design	Yes
distributed design	No
Mounting in portrait format possible	Yes
Supply voltage	
Type of supply voltage	24 V DC
Mains buffering	
● Mains/voltage failure stored energy time	20 ms
Processor	
Processor type	Intel Atom E6x0
Drives	
Optical drives	possible as external drive via USB
Hard disk	CF or SSD
SSD	Yes; ≥ 240 GB optional
Storage	
Main memory	1 GB to 2 GB
Capacity of main memory, max.	2 Gbyte
Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags), max.	128 kbyte
Hardware configuration	
Slots	
● Number of compact flash slots	1; CompactFlash
Interfaces	
serial interface	COM1 (RS 232)
Industrial Ethernet	
● Industrial Ethernet interface	
— 100 Mbps	Yes
— 1000 Mbps	Yes
Interrupts/diagnostics/status information	

Subject to change without notice
© Copyright Siemens

LED status display	No
Integrated Functions	
Monitoring functions	
● Temperature monitoring	Yes
● Fan	No
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
Marine approval	
● Germanischer Lloyd (GL)	Yes; 7", 9", 12"
● American Bureau of Shipping (ABS)	Yes; 7", 9", 12"
● Bureau Veritas (BV)	Yes; 7", 9", 12"
● Det Norske Veritas (DNV)	Yes; 7", 9", 12"
● Lloyds Register of Shipping (LRS)	Yes; 7", 9", 12"
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	50 °C; 19": max. 45 °C
Operating systems	
pre-installed operating system	
● Windows XP Professional	No
● Windows 7	No
Dimensions	
Width of the housing front	483 mm
Height of housing front	337 mm
Mounting cutout, width	464 mm
Mounting cutout, height	318 mm
mounting depth	73 mm
Weights	
Weight, approx.	5.7 kg
Approvals / Certificates	

General Product Approval

CE EG-Konf.	UKCA	Manufacturer Declaration	KC	RCM	Manufacturer Declaration

General Product Approval		Maritime application			Dangerous goods
CE EG-Konf.	UKCA	ABS	DNV	CCS (China Classification Society)	Dangerous goods information

Dangerous goods	Environment	
Test Summary Report UN 38.3	Environmental Confirmations	Environmental Confirmations

last modified: 4/8/2026

Subject to change without notice
© Copyright Siemens