

No longer available SIMATIC IPC277D (Nanopanel PC) 12" Touch TFT; 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 standard front 80 GB Solid-State-Drive SATA WES 7 SP1 (CF 4 GB or more/SSD) without SIMATIC software

General information	
Product type designation	IPC277D
Display	
Design of display	12" TFT touch
Screen diagonal	12 in
Resolution (pixels)	
• Horizontal image resolution	1 280 pixel
• Vertical image resolution	800 pixel
Backlighting	
• MTBF backlighting (at 25 °C)	80 000 h
Control elements	
Input device	
• Mouse, at front	No
Keyboard fonts	
• 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
maximum permissible installation angle +/-	45°
Supply voltage	
Type of supply voltage	24 V DC
Mains buffering	
• Mains/voltage failure stored energy time	20 ms
Power loss	
In full configuration	31.2 W
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
Memory	
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	
USB port	Yes
Connection for keyboard/mouse	USB / USB
Industrial Ethernet	

- Industrial Ethernet interface — 100 Mbps — 1000 Mbps	2x Fast Ethernet Yes Yes		
Integrated Functions			
Monitoring functions			
Temperature monitoring	Yes		
Watchdog	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		
Accessories			
Accessory components	Touch protective foil		
Dimensions			
Width of the housing front	330 mm		
Height of housing front	241 mm		
Mounting cutout, width	310 mm		
Mounting cutout, height	221 mm		
Overall depth	66 mm		
Weights			
Weight, approx.	2.75 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			Marine / Shipping



[Manufacturer Declaration](#)

[KC](#)



Marine / Shipping		Dangerous goods	Environment	
	CCS (China Classification Society)		Dangerous goods information	Environmental Confirmations

last modified: 6/25/2021 