

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 Windows 7 SP1, MUI (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	
<ul style="list-style-type: none"> Number of compact flash slots 	1; CompactFlash
Interfaces	
USB port	Yes
Connection for keyboard/mouse	USB / USB
serial interface	COM1 (RS 232)
Industrial Ethernet	
<ul style="list-style-type: none"> Industrial Ethernet interface <ul style="list-style-type: none"> — 100 Mbps — 1000 Mbps 	2x Fast Ethernet Yes Yes
Integrated Functions	
Monitoring functions	
<ul style="list-style-type: none"> Temperature monitoring Watchdog Status LEDs Fan 	Yes Yes No No
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
Marine approval	
<ul style="list-style-type: none"> Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) 	Yes; 7", 9", 12" Yes; 7", 9", 12" 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

- Ambient temperature during operation 0 °C to 50 °C

Operating systems

pre-installed operating system

- Windows XP Professional No
- Windows 7 No

Software

SIMATIC Software Optionally with pre-installed software bundle SIMATIC WinCC RT Advanced / WinAC RTX

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

last modified: 03/14/2020