

\*\*\*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)	
<ul style="list-style-type: none"> <li>Horizontal image resolution</li> </ul>	1 280 pixel
<ul style="list-style-type: none"> <li>Vertical image resolution</li> </ul>	800 pixel
Backlighting	
<ul style="list-style-type: none"> <li>MTBF backlighting (at 25 °C)</li> </ul>	80 000 h
Control elements	
Input device	
<ul style="list-style-type: none"> <li>Mouse, at front</li> </ul>	No
Keyboard fonts	
<ul style="list-style-type: none"> <li>Function keys</li> </ul>	No
<ul style="list-style-type: none"> <li>alphanumeric keyboard</li> </ul>	No
Touch operation	
<ul style="list-style-type: none"> <li>Design as touch screen</li> </ul>	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	
<ul style="list-style-type: none"> <li>Mains/voltage failure stored energy time</li> </ul>	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"> <li>Number of compact flash slots</li> </ul>	1; CompactFlash
Interfaces	
USB port	Yes

Connection for keyboard/mouse	USB / USB
serial interface	COM1 (RS 232)
<b>Industrial Ethernet</b>	
<ul style="list-style-type: none"> <li>• Industrial Ethernet interface</li> <li style="padding-left: 20px;">— 100 Mbps</li> <li style="padding-left: 20px;">— 1000 Mbps</li> </ul>	2x Fast Ethernet Yes Yes
<b>Integrated Functions</b>	
<b>Monitoring functions</b>	
<ul style="list-style-type: none"> <li>• Temperature monitoring</li> <li>• Watchdog</li> <li>• Status LEDs</li> <li>• Fan</li> </ul>	Yes Yes No No
<b>Degree and class of protection</b>	
IP (at the front)	IP65
IP (rear)	IP20
<b>Standards, approvals, certificates</b>	
CE mark	Yes
cULus	Yes
<b>Marine approval</b>	
<ul style="list-style-type: none"> <li>• Germanischer Lloyd (GL)</li> <li>• American Bureau of Shipping (ABS)</li> <li>• Bureau Veritas (BV)</li> <li>• Det Norske Veritas (DNV)</li> <li>• Lloyds Register of Shipping (LRS)</li> </ul>	Yes; 7", 9", 12" Yes; 7", 9", 12" Yes; 7", 9", 12" Yes; 7", 9", 12" Yes; 7", 9", 12"
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
<ul style="list-style-type: none"> <li>• Ambient temperature during operation</li> </ul>	0 °C to 50 °C
<b>Operating systems</b>	
<b>pre-installed operating system</b>	
<ul style="list-style-type: none"> <li>• Windows XP Professional</li> <li>• Windows 7</li> </ul>	No No
<b>Accessories</b>	
Accessory components	Touch protective foil
<b>Dimensions</b>	
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
<b>Weights</b>	
Weight, approx.	2.75 kg
<b>last modified:</b>	6/25/2021 