

\*\*\*No longer available\*\*\* SIMATIC IPC277D (Nanopanel PC) 7" 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 E640 (1.0 GHz), 1 GB RAM standard front 4 GB SIMATIC PC CompactFlash WES 2009 SP3 (CF 2 GB or more/SSD) without SIMATIC software

General information	
Product type designation	IPC277D
Display	
Design of display	7" TFT touch
Screen diagonal	7 in
Resolution (pixels)	
• Horizontal image resolution	800 pixel
• Vertical image resolution	480 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	26.4 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
serial interface	COM1 (RS 232)

<b>Industrial Ethernet</b>	
<ul style="list-style-type: none"> <li>Industrial Ethernet interface</li> </ul>	2x Fast Ethernet
— 100 Mbps	Yes
— 1000 Mbps	Yes
<b>Integrated Functions</b>	
<b>Monitoring functions</b>	
<ul style="list-style-type: none"> <li>Temperature monitoring</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Watchdog</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Status LEDs</li> </ul>	No
<ul style="list-style-type: none"> <li>Fan</li> </ul>	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> </ul>	Yes; 7", 9", 12"
<ul style="list-style-type: none"> <li>American Bureau of Shipping (ABS)</li> </ul>	Yes; 7", 9", 12"
<ul style="list-style-type: none"> <li>Bureau Veritas (BV)</li> </ul>	Yes; 7", 9", 12"
<ul style="list-style-type: none"> <li>Det Norske Veritas (DNV)</li> </ul>	Yes; 7", 9", 12"
<ul style="list-style-type: none"> <li>Lloyds Register of Shipping (LRS)</li> </ul>	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> </ul>	No
<ul style="list-style-type: none"> <li>Windows 7</li> </ul>	No
<b>Accessories</b>	
Accessory components	Touch protective foil
<b>Dimensions</b>	
Width of the housing front	214 mm
Height of housing front	158 mm
Mounting cutout, width	197 mm
Mounting cutout, height	141 mm
Overall depth	71 mm
<b>Weights</b>	
Weight, approx.	1.9 kg

last modified:

6/25/2021 