

SIMATIC IPC 477D pro, fully protected IP65; 19" Multitouch (1366x 768); prepared for supporting foot/ Expansion elements (flange bottom); 4 USB (back); without USB (front); Ethernet (10/100/1000); 24 V DC industrial power supply Core i7-3517UE; (2C/4T, 1.7(2.8) GHz, 3 MB cache); 2x Gbit Ethernet (IE/PN); 8 GB; 1x RS-232; Windows 7 Ultimate SP1, 64-bit; MUI (en/de/fr/it); Replaceable without drive; SSD 480 GB SATA; without SIMATIC software

### General information

Product type designation	IPC477D PRO
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### Display

Design of display	19" TFT multi-touch
Screen diagonal	19 in
Display width	409.8 mm
Display height	230.4 mm

### Resolution (pixels)

- |                               |             |
|-------------------------------|-------------|
| • Horizontal image resolution | 1 366 Pixel |
| • Vertical image resolution   | 768 Pixel   |

### Control elements

#### Input device

- |                   |    |
|-------------------|----|
| • Mouse, at front | No |
|-------------------|----|

#### Touch operation

- |                                |                            |
|--------------------------------|----------------------------|
| • Design as multi-touch screen | Yes; Projective-capacitive |
|--------------------------------|----------------------------|

### Installation type/mounting

Design	Panel PC on pedestal or supporting arm
Support arm mounting	No
Stand mounting	Yes; Prepared for pedestal and extension components
Mounting in portrait format possible	No
maximum permissible installation angle +/-	±45 °

### Supply voltage

Type of supply voltage	24 V DC
Line frequency	
• Rated value 50 Hz	Yes
• Rated value 60 Hz	Yes

### Power loss

In full configuration	66 W
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### Processor

Processor type	Intel Core i7-3517UE Intel Core i3-3217UE Intel Celeron 827E
<b>Graphic</b>	
Graphics controller	Intel HD graphics controller
<b>Drives</b>	
Optical drives	possible as external drive via USB
SSD	Yes; 1x 240 GB SSD, 1x 480 GB SSD
<b>Memory</b>	
Type of memory	DDR3-SDRAM
Main memory	2 / 4 / 8 GB
Capacity of main memory, max.	8 Gbyte
<b>Data areas and their retentivity</b>	
Retentive data area (incl. timers, counters, flags), max.	512 kbyte; 128 KB can be stored in the buffer time; optional
<b>Hardware configuration</b>	
<b>Slots</b>	
<ul style="list-style-type: none"> <li>Number of PCI slots</li> </ul>	0
<ul style="list-style-type: none"> <li>Number of PCI slots</li> </ul>	0; Different to the built-in unit
<ul style="list-style-type: none"> <li>Number of compact flash slots</li> </ul>	2; CFast
<b>Interfaces</b>	
Number of PROFINET interfaces	1; 3 ports (incl. switch)
USB port	4x USB 3.0 onboard (rear)
Connection for keyboard/mouse	USB / USB
serial interface	COM1 (RS 232)
<b>Video interfaces</b>	
<ul style="list-style-type: none"> <li>Graphics interface</li> </ul>	1x DVI, 1x DisplayPort
<b>Industrial Ethernet</b>	
<ul style="list-style-type: none"> <li>Industrial Ethernet interface</li> </ul>	2x Ethernet (RJ45)
<ul style="list-style-type: none"> <li>— 100 Mbps</li> </ul>	Yes
<ul style="list-style-type: none"> <li>— 1000 Mbps</li> </ul>	Yes
<b>Interrupts/diagnostics/status information</b>	
Bus diagnostics	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>Fan</li> </ul>	No
<ul style="list-style-type: none"> <li>Monitoring function via network</li> </ul>	Optional
<b>Degree and class of protection</b>	
IP65 (all-round)	Yes; IP65 fully enclosed

IP (at the front)	IP65
IP (rear)	IP65
<b>Standards, approvals, certificates</b>	
CE mark	Yes; CE marking / EC Declaration of Conformity
UL approval	Yes
• UL 508	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
<b>Use in hazardous areas</b>	
• ATEX Zone 2	Yes
• ATEX Zone 22	Yes
• IECEx Zone 2	Yes
• cULus Class I Zone 2, Division 2	Yes
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• Ambient temperature during operation	5 to +45°C
<b>Ambient temperature during storage/transportation</b>	
• min.	-20 °C
• max.	60 °C
<b>Operating systems</b>	
pre-installed operating system	Windows 7 Ultimate (Multi-Language) 32-bit / 64-bit, Windows Embedded Standard 7 32-bit / 64-bit
Additional info on operating system	Multi-Language: GER, ENG, ITAL, FR, SP, KOR, CHN (Traditional), CHN (Simplified), JPN - not with XPe
without operating system	Yes; Optional
<b>pre-installed operating system</b>	
• Windows 7	Yes; Ultimate 32 bit or 64 bit
<b>Dimensions</b>	
Width	475 mm
Height	296 mm; Without basic adapter
Depth	98 mm; Without basic adapter
Width of the housing front	475 mm
Height of housing front	296 mm; Without basic adapter
<b>Weights</b>	
Panel PC in central design, approx.	7.9 kg
<b>last modified:</b>	02/13/2020