

SIMATIC IPC477D PRO; fully protected IP65; 22" Multitouch (1920 x 1080); 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 with NVRAM; 1x RS-232; Windows 7 Ultimate SP1, 64-bit; MUI (en/de/fr/it); Replaceable without drive; SSD 240 GB SATA; without SIMATIC software

General information

Product type designation	IPC477D PRO
--------------------------	-------------

Display

Design of display	22" TFT multi-touch
Screen diagonal	22 in
Display width	527 mm
Display height	329 mm

Resolution (pixels)

- | | |
|-------------------------------|-------------|
| • Horizontal image resolution | 1 920 Pixel |
| • Vertical image resolution | 1 080 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	74 W
-----------------------	------

Processor	
Processor type	Intel Core i7-3517UE Intel Core i3-3217UE Intel Celeron 827E
Graphic	
Graphics controller	Intel HD graphics controller
Drives	
Optical drives	possible as external drive via USB
SSD	Yes; 1x 240 GB SSD, 1x 480 GB SSD
Memory	
Type of memory	DDR3-SDRAM
Main memory	2 / 4 / 8 GB
Capacity of main memory, max.	8 Gbyte
Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags), max.	512 kbyte; 128 KB can be stored in the buffer time; optional
Hardware configuration	
Slots	
<ul style="list-style-type: none"> Number of PCI slots 	0
<ul style="list-style-type: none"> Number of PCI slots 	0; Different to the built-in unit
<ul style="list-style-type: none"> Number of compact flash slots 	2; CFast
Interfaces	
PROFIBUS/MPI	Optionally onboard, isolated, max. 12 Mbps, compatible with CP 5611
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)
Video interfaces	
<ul style="list-style-type: none"> Graphics interface 	1x DVI, 1x DisplayPort
Industrial Ethernet	
<ul style="list-style-type: none"> Industrial Ethernet interface 	2x Ethernet (RJ45)
<ul style="list-style-type: none"> — 100 Mbps 	Yes
<ul style="list-style-type: none"> — 1000 Mbps 	Yes
Interrupts/diagnostics/status information	
Bus diagnostics	Yes
Integrated Functions	
Monitoring functions	
<ul style="list-style-type: none"> Temperature monitoring 	Yes
<ul style="list-style-type: none"> Watchdog 	Yes
<ul style="list-style-type: none"> Fan 	No

- Monitoring function via network

Optional

Degree and class of protection

IP65 (all-round)	Yes; IP65 fully enclosed
IP (at the front)	IP65
IP (rear)	IP65

Standards, approvals, certificates

Approval	CE, cULus (508)
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

Use in hazardous areas

• ATEX Zone 2	Yes
• ATEX Zone 22	Yes
• IECEx Zone 2	Yes
• cULus Class I Zone 2, Division 2	Yes

Ambient conditions

Ambient temperature during operation	
• Ambient temperature during operation	5 to +45 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
• Relative humidity	Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)
Vibrations	
• Vibration resistance during operation acc. to IEC 60068-2-6	Tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s ² (1 g)
Shock testing	
• Shock load during operation	Tested to DIN IEC 60068-2-29: 50 m/s ² (5 g), 30 ms, 100 shocks

Operating systems

Operating system	Windows 7 Ultimate (Multi-Language) 32-bit / 64-bit, Windows Embedded Standard 7 32-bit / 64-bit
pre-installed operating system	Yes
without operating system	Yes; Optional
pre-installed operating system	
• Windows 7	Yes; Ultimate 32 bit or 64 bit

Dimensions

Width	475 mm
Height	296 mm; Without basic adapter
Depth	98 mm; Without basic adapter
Width of the housing front	527 mm
Height of housing front	329 mm; Without basic adapter

Weights

Panel PC in central design, approx.	9.3 kg
-------------------------------------	--------

last modified: 04/08/2019