

SIMATIC IPC477D PRO with TPM, fully protected IP65; 22" Multitouch (1920 x 1080); prepared for support arm without expansion elements (flange top); 4 USB (back); without USB (front); Ethernet (10/100/1000); 24 V DC industrial power supply (not for China); Core I3-3217UE; (2C/4T, 1.6 GHz, 3 MB cache); 2x Gbit Ethernet (IE/PN); 4 GB; 1x RS-232; without operating system; Replaceable without drive; SSD 240 GB SATA; without SIMATIC software

### General information

Product type designation IPC477D PRO with TPM

### Display

Design of display TFT widescreen display, LED backlighting

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

#### Touch operation

- Design as touch screen Yes; Projective-capacitive

### Installation type/mounting

Design Panel PC on pedestal or supporting arm

Support arm mounting Yes; Suitable for support arm without extension components

Stand mounting No

Mounting in portrait format possible No

maximum permissible installation angle +/-  $\pm 45^\circ$

### Supply voltage

Type of supply voltage 24 V DC

#### Line frequency

- Rated value 50 Hz Yes
- Rated value 60 Hz Yes

### 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
Hardware configuration	
Slots	
<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
Interfaces	
PROFIBUS/MPI	onboard, electrically isolated, max. 12 Mbit/s, no plug-in card necessary, CP 5611-compatible
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"> <li>Graphics interface</li> </ul>	1x DVI, 1x DisplayPort
Industrial Ethernet	
<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
Interrupts/diagnostics/status information	
Bus diagnostics	Yes
Integrated Functions	
Monitoring functions	
<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
Degree and class of protection	
IP65 (all-round)	Yes; IP65 fully enclosed
IP (at the front)	IP65
IP (rear)	IP65

Standards, approvals, certificates	
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
Operating systems	
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
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
<b>last modified:</b>	02/13/2020