

Data sheet

6AV7251-3BA04-0FA0

SIMATIC IPC477E PRO fully enclosed IP65; 15" Multitouch (1366 X 768); suitable for support arm w/o extension components (flange at top); 4USB (back); w/o USB (front); Ethernet (10/100/1000);

General information

Product type designation IPC477E PRO

Display

Design of display TFT widescreen display, LED backlighting

Screen diagonal 15 in

Display width 344.2 mm

Display height 193.5 mm

Resolution (pixels)

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

Control elements

Touch operation

- Design as touch screen Yes; Projective-capacitive

Installation type/mounting

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

Processor

Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT)

Graphic

Graphics controller Intel HD graphics controller

Drives

Optical drives possible as external drive via USB

Diskette drive No

SSD Yes; 1x 80 GB, 1x 240 GB SSD, 1x 480 GB SSD

Memory

Main memory	4 GB to 16 GB, ECC optional
Capacity of main memory, max.	16 Gbyte
Hardware configuration	
Slots	
<ul style="list-style-type: none"> • Number of PCI slots • Number of compact flash slots 	0; Different to the built-in unit 1
Interfaces	
Number of industrial Ethernet interfaces	3x Ethernet (RJ45)
Number of PROFINET interfaces	1
USB port	4x USB 3.0 onboard (rear)
Connection for keyboard/mouse	USB / USB
serial interface	Without / 2x COM (RS 232 / 422 / 485), selectable in the BIOS
Video interfaces	
<ul style="list-style-type: none"> • Graphics interface 	2x DisplayPort
Industrial Ethernet	
<ul style="list-style-type: none"> • Industrial Ethernet interface <ul style="list-style-type: none"> — 100 Mbps — 1000 Mbps 	3x Ethernet (RJ45) Yes Yes
Integrated Functions	
Monitoring functions	
<ul style="list-style-type: none"> • Temperature monitoring • Watchdog 	Yes Yes
Degree and class of protection	
IP65 (all-round)	Yes; IP65 fully enclosed
Standards, approvals, certificates	
Approval	CE, cULus (508)
CE mark	Yes
UL approval	Yes
<ul style="list-style-type: none"> • UL 508 	Yes
cULus	Yes
KC approval	Yes
EAC (formerly Gost-R)	No
EMC	CE, EN 61000-6-4; CISPR 22 Class A; FCC Class A
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> • Ambient temperature during operation • min. • max. 	5 to +45°C 5 °C 45 °C
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> • 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 according to IEC 60068-2-27, IEC 60068-2-29: half-sine: 50 m/s ² (5 g), 30 ms, 100 shocks per axis
Operating systems	
Operating system	Windows 7 Ultimate (Multi-Language) 64-bit, Windows Embedded Standard 7 E/P 32-bit / 64-bit, Windows 10
pre-installed operating system	Yes
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	Ultimate 64 bit
• Windows 10 IoT Enterprise	Windows 10 IoT Enterprise LTSC 2016 (64-bit) MUI
Dimensions	
Width of the housing front	396 mm
Height of housing front	255 mm; Without basic adapter
Weights	
Panel PC in central design, approx.	6.8 kg
Other	
Warranty period	36 mo; Warranty period
last modified:	05/28/2018