

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 +/- | ±45 °                                                      |

### 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                                                      |
| <b>Hardware configuration</b>                            |                                                               |
| <b>Slots</b>                                             |                                                               |
| • Number of PCI slots                                    | 0; Different to the built-in unit                             |
| • Number of compact flash slots                          | 1                                                             |
| <b>Interfaces</b>                                        |                                                               |
| 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 |
| <b>Video interfaces</b>                                  |                                                               |
| • Graphics interface                                     | 2x DisplayPort                                                |
| <b>Industrial Ethernet</b>                               |                                                               |
| • Industrial Ethernet interface                          | 3x Ethernet (RJ45)                                            |
| — 100 Mbps                                               | Yes                                                           |
| — 1000 Mbps                                              | Yes                                                           |
| <b>Integrated Functions</b>                              |                                                               |
| <b>Monitoring functions</b>                              |                                                               |
| • Temperature monitoring                                 | Yes                                                           |
| • Watchdog                                               | Yes                                                           |
| <b>Degree and class of protection</b>                    |                                                               |
| IP65 (all-round)                                         | Yes; IP65 fully enclosed                                      |
| <b>Standards, approvals, certificates</b>                |                                                               |
| Approval                                                 | CE, cULus (508)                                               |
| CE mark                                                  | Yes                                                           |
| UL approval                                              | Yes                                                           |
| • 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               |
| <b>Ambient conditions</b>                                |                                                               |
| <b>Ambient temperature during operation</b>              |                                                               |
| • Ambient temperature during operation                   | 5 to +45 °C                                                   |
| • min.                                                   | 5 °C                                                          |
| • max.                                                   | 45 °C                                                         |
| <b>Ambient temperature during storage/transportation</b> |                                                               |
| • min.                                                   | -20 °C                                                        |

|                                                               |                                                                                                                                                                         |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| • max.                                                        | 60 °C                                                                                                                                                                   |
| <b>Relative humidity</b>                                      |                                                                                                                                                                         |
| • 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) |
| <b>Vibrations</b>                                             |                                                                                                                                                                         |
| • 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 <sup>2</sup> (1 g)                                                                      |
| <b>Shock testing</b>                                          |                                                                                                                                                                         |
| • Shock load during operation                                 | Tested according to IEC 60068-2-27, IEC 60068-2-29: half-sine: 50 m/s <sup>2</sup> (5 g), 30 ms, 100 shocks per axis                                                    |
| <b>Operating systems</b>                                      |                                                                                                                                                                         |
| 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                                                                                                                        |
| <b>Dimensions</b>                                             |                                                                                                                                                                         |
| Width of the housing front                                    | 396 mm                                                                                                                                                                  |
| Height of housing front                                       | 255 mm; Without basic adapter                                                                                                                                           |
| <b>Weights</b>                                                |                                                                                                                                                                         |
| Panel PC in central design, approx.                           | 6.8 kg                                                                                                                                                                  |
| <b>Other</b>                                                  |                                                                                                                                                                         |
| Warranty period                                               | 36 mo; Warranty period                                                                                                                                                  |
| <b>last modified:</b>                                         | 05/28/2018                                                                                                                                                              |