

SIMATIC IPC 477E 15" touch (1280 x 800); with front USB; 4 USB (back), Ethernet (10/100/1000); Core i3-6102E; 3x Gbit Ethernet (IE/PN); 8 GB; without RS 232/RS485; without PCIe; Windows7 Ultimate SP1, 64-bit, MUI (de, en, es, fr, it); Without replaceable mass storage; 320 GB HDD SATA; Without SIMATIC software; 110/230 V AC industrial power supply unit with NAMUR; without power supply cord; - - no BIS certificate for India for 110/230 V AC PS,

| General information                                       |  |
|---|--|
| Product type designation                                  | IPC477E  |
| Display   |  |
| Design of display   | 15" TFT touch  |
| Screen diagonal   | 15.6 in  |
| Resolution (pixels)                                       |  |
| • Horizontal image resolution                             | 1 280 pixel  |
| • Vertical image resolution                               | 800 pixel  |
| Backlighting  |  |
| • MTBF backlighting (at 25 °C)                            | 50 000 h   |
| Control elements  |  |
| Keyboard fonts  |  |
| • Function keys   | No   |
| • alphanumeric keyboard                                   | No   |
| Touch operation   |  |
| • Design as touch screen                                  | Yes; analog, resistive   |
| Installation type/mounting                                |  |
| Mounting  | For horizontal and vertical mounting   |
| Design  | Panel PC, built-in unit  |
| central design  | Yes  |
| distributed design  | No   |
| Mounting in portrait format possible                      | Yes  |
| Supply voltage  |  |
| Type of supply voltage                                    | 100/240 V AC (autorange) 50/60 Hz; optional 24 V DC  |
| Rated value (DC)  | 24 V; PELV / SELV floating   |
| Line frequency  |  |
| • Rated value 50 Hz                                       | Yes  |
| • Rated value 60 Hz                                       | Yes  |
| Mains buffering   |  |
| • Mains/voltage failure stored energy time                | 20 ms  |
| 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) |
| Chipset   | Intel C236 / Intel H110  |
| Graphic   |  |
| Graphics controller                                       | Intel HD graphics controller   |
| Drives  |  |
| Hard disk   | 2.5" SATA ≥ 320 GB   |
| SSD   | Yes; 128 / 240 / 480 GB  |
| Memory  |  |
| Type of memory  | DDR4-2400 SO-DIMM  |
| Main memory   | 4 / 8 / 16 GB, ECC optional  |
| Capacity of main memory, max.                             | 16 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   |   |
| • Number of PCI slots                             | 1; Optional                                 |
| • Number of compact flash slots                   | 1; CFast                                    |
| Interfaces  |   |
| Number of industrial Ethernet interfaces          | 3; 3x Ethernet (RJ45)                       |
| Video interfaces                                  |   |
| • Graphics interface                              | 2x DisplayPort                              |
| Industrial Ethernet                               |   |
| • Industrial Ethernet interface                   |   |
| — 100 Mbps  | Yes   |
| — 1000 Mbps                                       | Yes   |
| Interrupts/diagnostics/status information         |   |
| Bus diagnostics                                   | Yes   |
| Integrated Functions                              |   |
| Monitoring functions                              |   |
| • Temperature monitoring                          | Yes   |
| • Fan   | No  |
| • Monitoring function via network                 | Optional                                    |
| Degree and class of protection                    |   |
| IP (at the front)                                 | IP65  |
| IP (rear)   | IP20  |
| Standards, approvals, certificates                |   |
| CE mark   | Yes   |
| CSA approval                                      | Yes   |
| UL approval                                       | Yes   |
| • UL 508  | Yes   |
| cULus   | Yes   |
| RCM (formerly C-TICK)                             | Yes   |
| KC approval                                       | Yes   |
| EAC (formerly Gost-R)                             | Yes   |
| FCC   | Yes   |
| Use in hazardous areas                            |   |
| • ATEX Zone 2                                     | Yes; for inscription on device rating plate |
| • ATEX Zone 22                                    | Yes; for inscription on device rating plate |
| • IECEx Zone 2                                    | Yes; for inscription on device rating plate |
| • IECEx Zone 22                                   | Yes; for inscription on device rating plate |
| • CCC Ex  | Yes; for inscription on device rating plate |
| • cULus Class I Zone 1                            | No  |
| • cULus Class I Zone 2, Division 2                | Yes; for inscription on device rating plate |
| • cULus Class II Division 2                       | Yes; for inscription on device rating plate |
| • FM Class I Division 2                           | No  |
| • FM Class II Division 2                          | No  |
| Marine approval                                   |   |
| • Germanischer Lloyd (GL)                         | Yes   |
| • American Bureau of Shipping (ABS)               | Yes   |
| • Bureau Veritas (BV)                             | Yes   |
| • Det Norske Veritas (DNV)                        | Yes   |
| • Korean Register of Shipping (KRS)               | Yes   |
| • Lloyds Register of Shipping (LRS)               | Yes   |
| • Nippon Kaiji Kyokai (Class NK)                  | Yes   |
| Ambient conditions                                |   |
| Ambient temperature during operation              |   |
| • min.  | 0 °C  |
| • max.  | 45 °C                                       |
| Ambient temperature during storage/transportation |   |
| • min.  | -20 °C                                      |
| • max.  | 60 °C                                       |

|   |   |
|---|---|
| <b>Vibrations</b>   |   |
| <ul style="list-style-type: none"> <li>Vibration resistance during operation acc. to IEC 60068-2-6</li> </ul> | IEC 60068-2-6; 5 Hz to 9 Hz: 3.5 mm; 9 Hz to 500 Hz: 9.8 m/s <sup>2</sup> (with SSD or CFast); 10 Hz to 58 Hz: 0.0375 mm; 58 Hz to 200 Hz: 4.9 m/s <sup>2</sup> (hard disk) |
| <b>Operating systems</b>  |   |
| pre-installed operating system  | Windows 7 Ultimate (Multi-Language) 64-bit, Windows Embedded Standard 7 E/P 32-bit / 64-bit, Windows 10   |
| without operating system  | Yes; Optional   |
| <b>pre-installed operating system</b>   |   |
| <ul style="list-style-type: none"> <li>Windows 7</li> <li>Windows 10 Enterprise</li> </ul>                    | Yes; Ultimate 64 bit<br>Yes; Windows 10 Enterprise 2016 LTSC, 64 bit, MUI   |
| <b>Dimensions</b>   |   |
| Width of the housing front  | 415 mm  |
| Height of housing front   | 310 mm  |
| Mounting cutout, width  | 396 mm  |
| Mounting cutout, height   | 291 mm  |
| mounting depth  | 76 mm   |
| <b>Weights</b>  |   |
| Weight, approx.   | 6.8 kg  |
| <b>Approvals / Certificates</b>   |   |
| <b>General Product Approval</b>   |   |



[Miscellaneous](#)



[BIS CRS](#)

|   |   |   |
|---|---|---|
| <b>General Product Approval</b>   | <b>Maritime application</b>   | <b>Dangerous goods</b>  |
| <a href="#">China RoHS</a><br><br>EG-Konf. | <br><br>ABS | <br>DNV<br><a href="#">Test Summary Report UN 38.3</a> |

**Dangerous goods**

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