

SIMATIC IPC 477E 15" Multitouch (1366 x 768); 4 USB (back), Ethernet (10/100/1000); Core i5-6442EQ; 3x Gbit Ethernet (IE/PN); 16 GB and NVRAM; 2x RS232/RS485; 1x PCIe (x4); Windows7 Ultimate SP1, 64-bit, MUI (de, en, es, fr, it); CFast 128 GB, (only as option with operating system/SW, if no internal mass storage); 480 GB solid-state drive SATA Without SIMATIC software; 110/230 V AC industrial power supply unit with NAMUR; power supply cord Europe; - - no BIS certificate for India for 110/230 V AC PS,

| General information | |
|---|--|
| Product type designation | IPC477E |
| Display | |
| Design of display | 15" TFT multi-touch |
| Screen diagonal | 15.6 in |
| Resolution (pixels) | |
| • Horizontal image resolution | 1 366 pixel |
| • Vertical image resolution | 768 pixel |
| Backlighting | |
| • MTBF backlighting (at 25 °C) | 50 000 h |
| Control elements | |
| Keyboard fonts | |
| • Function keys | No |
| • alphanumeric keyboard | No |
| Touch operation | |
| • Design as multi-touch screen | Yes; Projective-capacitive |
| 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 |

| | |
|---|---|
| Vibrations | |
| <ul style="list-style-type: none"> Vibration resistance during operation acc. to IEC 60068-2-6 | IEC 60068-2-6; 5 Hz to 9 Hz: 3.5 mm; 9 Hz to 500 Hz: 9.8 m/s ² (with SSD or CFast); 10 Hz to 58 Hz: 0.0375 mm; 58 Hz to 200 Hz: 4.9 m/s ² (hard disk) |
| Operating systems | |
| 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 |
| pre-installed operating system | |
| <ul style="list-style-type: none"> Windows 7 Windows 10 Enterprise | Yes; Ultimate 64 bit Yes; Windows 10 Enterprise 2016 LTSC, 64 bit, MUI |
| Dimensions | |
| Width of the housing front | 398 mm |
| Height of housing front | 257 mm |
| Mounting cutout, width | 382 mm |
| Mounting cutout, height | 241 mm |
| mounting depth | 76 mm |
| Weights | |
| Weight, approx. | 5.2 kg |
| Approvals / Certificates | |

| | |
|---------------------------------|---------------------------------------|
| General Product Approval | For use in hazardous locations |
|---------------------------------|---------------------------------------|

[Miscellaneous](#)



[BIS CRS](#)

[China RoHS](#)



| | |
|---------------------------------------|-----------------------------|
| For use in hazardous locations | Maritime application |
|---------------------------------------|-----------------------------|



[Type Examination Certificate](#)



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| Maritime application | Dangerous goods |
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[NK / Nippon Kaiji Kyokai](#)

[Test Summary Report UN 38.3](#)

[Dangerous goods information](#)

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