

SIMATIC IPC627E (Box PC), UHD Graphics onboard; DP/DVI-D; 3x Gigbit Ethernet (IE/PN); 6x USB V3.1 Gen.2; 1x serial (COM 1); RAID controller onboard; Watchdog, temperature and fan monitoring; Core i7-8700 (6C/12T, 3.2(4.6) GHz, 12 MB cache, VT-d, AMT); M.2 SSD NVMe 512 GB; HDD 2.5" SATA 320 GB internal; 8 GB DDR4-2666 (2x4); 110/230 V AC industrial power supply unit with NAMUR; Power supply cable China; Without operating system; without expansion (software); without expansion (HW); 2x PCI

| General information  |   |
|--|---|
| Product type designation   | IPC627E   |
| Installation type/mounting   |   |
| Mounting   | Wall mounting, portrait mounting  |
| Design   | Box PC, built-in unit   |
| Supply voltage   |   |
| Type of supply voltage   | 100/240 V AC (autorange); 24 V DC   |
| Line frequency   |   |
| <ul style="list-style-type: none"> <li>Rated value 50 Hz</li> <li>Rated value 60 Hz</li> </ul>   | <ul style="list-style-type: none"> <li>Yes</li> <li>Yes</li> </ul>  |
| Mains buffering  |   |
| <ul style="list-style-type: none"> <li>Mains/voltage failure stored energy time</li> </ul>   | 20 ms   |
| Processor  |   |
| Processor type   | Celeron G4900 (2C/2T, 3.1 GHz, 2 MB cache; VT-d); Core i3-8100 (4C/4T, 3.6 GHz, 6 MB cache, VT-d); Core i7-8700 (6C/12T, 3.2 (4.6) GHz, 12 MB cache, VT-d, AMT) |
| Chipset  | Intel C246  |
| Graphic  |   |
| Graphics controller  | Intel UHD Graphics 630 (Core i); Intel UHD Graphics 610 (Celeron)   |
| Drives   |   |
| Hard disk  | 2.5" SATA ≥ 320 GB  |
| SSD  | Yes; SSD M.2 NVMe 512 GB; SSD 2.5" SATA 480 / 960 GB; RAID1 2x SSD 2.5" SATA 480 / 960 GB in removable drive bay  |
| Memory   |   |
| Type of memory   | DDR4-2666 DIMM  |
| Main memory  | 4 / 8 / 16 / 32 / 64 GB   |
| Capacity of main memory, max.  | 64 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> <li>Number of PCI slots</li> </ul>   | <ul style="list-style-type: none"> <li>3; Optional</li> <li>5; Optional</li> </ul>  |
| Interfaces   |   |
| Number of industrial Ethernet interfaces   | 3; 3x Ethernet (RJ45)   |
| serial interface   | 1x COM  |
| Video interfaces   |   |
| <ul style="list-style-type: none"> <li>Graphics interface</li> </ul>   | 2x DisplayPort; 1x DVI-D  |
| Industrial Ethernet  |   |
| <ul style="list-style-type: none"> <li>Industrial Ethernet interface                             <ul style="list-style-type: none"> <li>— 100 Mbps</li> <li>— 1000 Mbps</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Yes</li> <li>Yes</li> </ul>  |
| Interrupts/diagnostics/status information  |   |
| LED status display   | 1x power, 3x user   |
| Integrated Functions   |   |
| Monitoring functions   |   |

|  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Temperature monitoring</li> <li>• Fan</li> <li>• Monitoring function via network</li> </ul>   | <p>Yes</p> <p>Yes</p> <p>Optional</p>   |
| <b>Degree and class of protection</b>  |   |
| IP degree of protection  | IP20  |
| <b>Standards, approvals, certificates</b>  |   |
| CE mark  | Yes   |
| UL approval  | Yes   |
| cULus  | Yes; UL 61010-2-201 Second Edition; CAN/CSA-C22.2 No. 61010-2-201 Second Edition  |
| RCM (formerly C-TICK)  | Yes   |
| KC approval  | Yes   |
| EAC (formerly Gost-R)  | Yes   |
| FCC  | Yes   |
| BSMI   | Yes   |
| <b>Use in hazardous areas</b>  |   |
| <ul style="list-style-type: none"> <li>• cULus Class I Zone 2, Division 2</li> </ul>   | Yes; Optional   |
| <b>Marine approval</b>   |   |
| <ul style="list-style-type: none"> <li>• American Bureau of Shipping (ABS)</li> <li>• Bureau Veritas (BV)</li> <li>• Det Norske Veritas (DNV)</li> <li>• Korean Register of Shipping (KRS)</li> <li>• Lloyds Register of Shipping (LRS)</li> <li>• Nippon Kaiji Kyokai (Class NK)</li> <li>• Chinese Classification Society (CCS)</li> </ul> | <p>Yes; Only with SSD</p> <p>Yes; Only with SSD</p> <p>Yes; Only with SSD</p> <p>Yes; Only with SSD</p> <p>Yes; Only with SSD</p> <p>Yes; Only with SSD</p> <p>Yes; Only with SSD</p> |
| <b>Ambient conditions</b>  |   |
| <b>Ambient temperature during operation</b>  |   |
| <ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>   | <p>5 °C</p> <p>55 °C</p>  |
| <b>Ambient temperature during storage/transportation</b>   |   |
| <ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>   | <p>-20 °C</p> <p>60 °C</p>  |
| <b>Vibrations</b>  |   |
| <ul style="list-style-type: none"> <li>• Vibration resistance during operation acc. to IEC 60068-2-6</li> </ul>  | tested according to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to 500 Hz 9.8 m/s <sup>2</sup> (1 g)   |
| <b>Operating systems</b>   |   |
| pre-installed operating system   | Windows 10 Enterprise 2016 LTSC or 2019 LTSC or 2021 LTSC 64 bit, MUI   |
| without operating system   | Yes; Optional   |
| <b>pre-installed operating system</b>  |   |
| <ul style="list-style-type: none"> <li>• Windows 10 Enterprise</li> </ul>  | Yes; Windows 10 Enterprise 2016 LTSC or 2019 LTSC or 2021 LTSC 64 bit, MUI  |
| <b>Dimensions</b>  |   |
| Width  | 314 mm  |
| Height   | 93 mm; For variant 5x PCI(e): 155 mm  |
| Depth  | 301 mm; incl. mounting rail   |
| <b>Approvals / Certificates</b>  |   |
| <b>General Product Approval</b>  |   |



[Manufacturer Declaration](#)



[inspection certificate](#)

**General Product Approval**

**Maritime application**



[BIS CRS](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)

[CCS \(China Classification Society\)](#)

[KR \(Korean Register of Shipping\)](#)

other

Dangerous goods

Environment

**CB**  
CB

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