

SIMATIC IPC427E (Microbox PC), HD graphic onboard, 4x USB V3.0 (high current), PCIe (optional), Core i3-6102E; 3x Gbit Ethernet (IE/PN) DIN rail mounting with ATEX/IECEX; 16 GB and NVRAM; Without RS232/485, without PCIe; Windows 10 Enterprise 2019 LTSC (64-bit), MUI (en,de,fr,it,es), for Celeron, i3 and i5, Without replaceable mass storage; 256 GB Eco SSD; Without SIMATIC software; 24 V DC industrial power supply and TPM;

| General information                                       |                                                                                                                                                                                                            |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product type designation                                  | IPC427E                                                                                                                                                                                                    |
| Installation type/mounting                                |                                                                                                                                                                                                            |
| Mounting                                                  | DIN rail, wall mounting, portrait mounting                                                                                                                                                                 |
| Design                                                    | Box PC, built-in unit                                                                                                                                                                                      |
| Supply voltage                                            |                                                                                                                                                                                                            |
| Type of supply voltage                                    | 24 V DC                                                                                                                                                                                                    |
| Rated value (DC)                                          | 24 V; PELV / SELV floating                                                                                                                                                                                 |
| 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                                                                                                                                                                                    |
| Storage                                                   |                                                                                                                                                                                                            |
| 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                                     | 2; Optional                                                                                                                                                                                                |
| • Number of compact flash slots                           | 1; CFast                                                                                                                                                                                                   |
| Interfaces                                                |                                                                                                                                                                                                            |
| Number of industrial Ethernet interfaces                  | 3; Ethernet (2x RJ45, optional 3x RJ45)                                                                                                                                                                    |
| serial interface                                          | Without / 2x COM (RS 232 / 485 / 422; switchable)                                                                                                                                                          |
| Video interfaces                                          |                                                                                                                                                                                                            |
| • Graphics interface                                      | 2x DisplayPort                                                                                                                                                                                             |
| Industrial Ethernet                                       |                                                                                                                                                                                                            |
| • Industrial Ethernet interface                           |                                                                                                                                                                                                            |
| — 100 Mbps                                                | Yes                                                                                                                                                                                                        |
| — 1000 Mbps                                               | Yes                                                                                                                                                                                                        |
| Interrupts/diagnostics/status information                 |                                                                                                                                                                                                            |
| LED status display                                        | 1x power, 3x user                                                                                                                                                                                          |
| Bus diagnostics                                           | Yes                                                                                                                                                                                                        |
| Integrated Functions                                      |                                                                                                                                                                                                            |
| Monitoring functions                                      |                                                                                                                                                                                                            |
| • Temperature monitoring                                  | Yes                                                                                                                                                                                                        |
| • Fan                                                     | No                                                                                                                                                                                                         |

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| eClass | 8   | 19-20-01-02 |
| eClass | 7.1 | 19-20-01-02 |
| eClass | 6   | 19-20-01-02 |
| ETIM   | 10  | EC001413    |
| ETIM   | 9   | EC001413    |
| ETIM   | 8   | EC001413    |
| ETIM   | 7   | EC001413    |

Approvals / Certificates

General Product Approval



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General Product Approval

For use in hazardous locations



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For use in hazardous locations

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Maritime application

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