

SIMATIC IPC527G (Box PC); 2x Gigabit Ethernet (IE/PN); 1x display port, 1x VGA; 4x USB3.0; 2x RS232/485/422 (can be selected); 100/240 V AC power supply  
Core i5-6500 (4C/4T, 3.2 (3.6) GHz, 6 MB cache) 256 GB SSD 8 GB DDR4  
Windows 7 Ultimate MUI (de,en,fr,es,it), 32 bit, SP1; 1 x PCIe x16 2 x RS232; 2 x USB2.0 additionally

| Installation type/mounting                                      |                                                                                                                                              |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting                                                        | Wall mounting, portrait mounting, desktop mounting                                                                                           |
| Design                                                          | Box PC, built-in unit                                                                                                                        |
| Supply voltage                                                  |                                                                                                                                              |
| Type of supply voltage                                          | 100/240V AC (autorange) 50/60 Hz                                                                                                             |
| Line frequency                                                  |                                                                                                                                              |
| • Rated value 50 Hz                                             | Yes                                                                                                                                          |
| • Rated value 60 Hz                                             | Yes                                                                                                                                          |
| Processor                                                       |                                                                                                                                              |
| Processor type                                                  | Core i7-6700 (4C/8T, 3.4 (4.0) GHz, 8 MB cache); Core i5-6500 (4C/4T, 3.2 (3.6) GHz, 6 MB cache); Pentium G4400 (2C/2T, 3.3 GHz, 3 MB cache) |
| Chipset                                                         | Intel H110                                                                                                                                   |
| Graphic                                                         |                                                                                                                                              |
| Graphics controller                                             | Onboard Intel HD graphics 530/510 integrated in processor                                                                                    |
| Drives                                                          |                                                                                                                                              |
| Hard disk                                                       | 1 TB HDD                                                                                                                                     |
| SSD                                                             | Yes; Optional                                                                                                                                |
| Memory                                                          |                                                                                                                                              |
| Type of memory                                                  | DDR4-2133 SO-DIMM                                                                                                                            |
| Main memory                                                     | 4 / 8 / 16 GB, supports up to 32 GB                                                                                                          |
| Capacity of main memory, max.                                   | 32 Gbyte                                                                                                                                     |
| Hardware configuration                                          |                                                                                                                                              |
| Slots                                                           |                                                                                                                                              |
| • free slots                                                    | 1x PCIe (x16), optional 1x PCIe (x1), 2x PCI additionally                                                                                    |
| • Number of PCI slots                                           | 2; Optional                                                                                                                                  |
| • Number of PCI slots                                           | 2; Optional                                                                                                                                  |
| Interfaces                                                      |                                                                                                                                              |
| Number of industrial Ethernet interfaces                        | 3; 3x Gigabit Ethernet (IE/PN), RJ45 optional; 2x Gigabit Ethernet (IE/PN), RJ45 basic configuration                                         |
| Number of PROFINET interfaces                                   | 3; 2 ports base configuration, 3 ports optional                                                                                              |
| USB port                                                        | 4x USB 3.0, 1x USB 2.0 internal, 2x USB 2.0 optional                                                                                         |
| Connection for keyboard/mouse                                   | USB / USB                                                                                                                                    |
| serial interface                                                | 2x RS 232 / 485 / 422 combined, 2x RS 232 optional                                                                                           |
| Multimedia                                                      |                                                                                                                                              |
| • Audio In/Out                                                  | Yes                                                                                                                                          |
| • Microphone In                                                 | Yes                                                                                                                                          |
| Video interfaces                                                |                                                                                                                                              |
| • Graphics interface                                            | 1x DisplayPort, 1x VGA                                                                                                                       |
| Industrial Ethernet                                             |                                                                                                                                              |
| • Industrial Ethernet interface                                 | 2x Ethernet (RJ45), 1x Ethernet (RJ45) additional option                                                                                     |
| — 100 Mbps                                                      | Yes                                                                                                                                          |
| — 1000 Mbps                                                     | Yes                                                                                                                                          |
| Integrated Functions                                            |                                                                                                                                              |
| Monitoring functions                                            |                                                                                                                                              |
| • Status LEDs                                                   | POWER, HDD                                                                                                                                   |
| EMC                                                             |                                                                                                                                              |
| Interference immunity against discharge of static electricity   |                                                                                                                                              |
| • Interference immunity against discharge of static electricity | ±6 kV contact discharge acc. to IEC 61000-4-2; ±8 kV air discharge acc. to IEC 61000-4-2                                                     |

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|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Degree and class of protection</b>                                                         |                                                                                                                          |
| IP (at the front)                                                                             | IP20                                                                                                                     |
| IP (rear)                                                                                     | IP20                                                                                                                     |
| <b>Standards, approvals, certificates</b>                                                     |                                                                                                                          |
| CE mark                                                                                       | Yes                                                                                                                      |
| CSA approval                                                                                  | Yes; No. 61010-1-12, No. 61010-2-201                                                                                     |
| UL approval                                                                                   | Yes                                                                                                                      |
| cULus                                                                                         | Yes; UL 61010-1, UL 61010-2-201                                                                                          |
| RCM (formerly C-TICK)                                                                         | Yes                                                                                                                      |
| KC approval                                                                                   | Yes                                                                                                                      |
| EAC (formerly Gost-R)                                                                         | Yes                                                                                                                      |
| FCC                                                                                           | Yes                                                                                                                      |
| <b>Ambient conditions</b>                                                                     |                                                                                                                          |
| Ambient temperature during operation                                                          |                                                                                                                          |
| • min.                                                                                        | 0 °C                                                                                                                     |
| • max.                                                                                        | 45 °C                                                                                                                    |
| Ambient temperature during storage/transportation                                             |                                                                                                                          |
| • min.                                                                                        | -20 °C                                                                                                                   |
| • max.                                                                                        | 60 °C                                                                                                                    |
| Relative humidity                                                                             |                                                                                                                          |
| • Relative humidity                                                                           | 8 ... 85 % at 30 °C, no condensation                                                                                     |
| Vibrations                                                                                    |                                                                                                                          |
| • Vibration resistance during operation acc. to IEC 60068-2-6                                 | Tested according to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.0375 mm, 58 Hz to 200 Hz: 4.9 m/s <sup>2</sup>                  |
| Shock testing                                                                                 |                                                                                                                          |
| • Shock load during operation                                                                 | Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s <sup>2</sup> , 11 ms; with HDD: 9.8 m/s <sup>2</sup> , 20 ms |
| <b>Operating systems</b>                                                                      |                                                                                                                          |
| pre-installed operating system                                                                | Windows 7 Ultimate (Multi-Language) 32-bit / 64-bit; Windows 10 Enterprise 2016 LTSC                                     |
| Additional info on operating system                                                           | Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)                             |
| without operating system                                                                      | Yes                                                                                                                      |
| pre-installed operating system                                                                |                                                                                                                          |
| • Windows 7                                                                                   | Yes; Ultimate 32 bit or 64 bit                                                                                           |
| • Windows 10                                                                                  | Yes; Windows 10 Enterprise 2016 LTSC, 64 bit, MUI                                                                        |
| <b>Dimensions</b>                                                                             |                                                                                                                          |
| Width                                                                                         | 260 mm                                                                                                                   |
| Height                                                                                        | 135 mm                                                                                                                   |
| Depth                                                                                         | 225 mm                                                                                                                   |
| <b>last modified:</b>                                                                         |                                                                                                                          |
| 3/15/2021  |                                                                                                                          |