

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 i7-6700 (4C/4T, 3.4 (4.0) GHz, 8 MB cache) 256 GB SSD 16 GB DDR4  
Windows 10 Enterprise 2019 LTSC MUI (de,en,fr,es,it), 64 bit for Core i7; 1 x PCIe  
x16 1 x PCIe x1; 2 x PCI Without specific expansions

| General information                       |                                                                                                                                              |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Product type designation                  | IPC527G                                                                                                                                      |
| 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                                                                                                                                |
| Storage                                   |                                                                                                                                              |
| 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                                     |                                                                                                                                              |
| • 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                                                                                              |
| serial interface                          | 2x RS 232 / 485 / 422 combined, 2x RS 232 optional                                                                                           |
| Video interfaces                          |                                                                                                                                              |
| • Graphics interface                      | 1x DisplayPort, 1x VGA                                                                                                                       |
| Industrial Ethernet                       |                                                                                                                                              |
| • Industrial Ethernet interface           |                                                                                                                                              |
| — 100 Mbps                                | Yes                                                                                                                                          |
| — 1000 Mbps                               | Yes                                                                                                                                          |
| Interrupts/diagnostics/status information |                                                                                                                                              |
| LED status display                        | POWER, HDD                                                                                                                                   |
| Degree and class of protection            |                                                                                                                                              |
| IP (at the front)                         | IP20                                                                                                                                         |
| IP (rear)                                 | IP20                                                                                                                                         |
| Standards, approvals, certificates        |                                                                                                                                              |
| 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                                                                                             |                                                                                     |                                                                                     |                                             |                                             |
| Ambient conditions                                            |                                                                                                 |                                                                                     |                                                                                     |                                             |                                             |
| Ambient temperature during operation                          |                                                                                                 |                                                                                     |                                                                                     |                                             |                                             |
| • min.                                                        | 0 °C                                                                                            |                                                                                     |                                                                                     |                                             |                                             |
| • max.                                                        | 45 °C                                                                                           |                                                                                     |                                                                                     |                                             |                                             |
| Ambient temperature during storage/transportation             |                                                                                                 |                                                                                     |                                                                                     |                                             |                                             |
| • min.                                                        | -20 °C                                                                                          |                                                                                     |                                                                                     |                                             |                                             |
| • max.                                                        | 60 °C                                                                                           |                                                                                     |                                                                                     |                                             |                                             |
| Vibrations                                                    |                                                                                                 |                                                                                     |                                                                                     |                                             |                                             |
| • Vibration resistance during operation acc. to IEC 60068-2-6 | tested according to IEC 60068-2-6: 10 Hz to 58 Hz: 0.0375 mm, 58 Hz to 200 Hz: 4.9 m/s²         |                                                                                     |                                                                                     |                                             |                                             |
| Operating systems                                             |                                                                                                 |                                                                                     |                                                                                     |                                             |                                             |
| pre-installed operating system                                | Windows 7 Ultimate (Multi-Language) 32-bit / 64-bit; Windows 10 Enterprise 2016 LTSPB           |                                                                                     |                                                                                     |                                             |                                             |
| without operating system                                      | Yes                                                                                             |                                                                                     |                                                                                     |                                             |                                             |
| pre-installed operating system                                |                                                                                                 |                                                                                     |                                                                                     |                                             |                                             |
| • Windows 7                                                   | Yes; Ultimate 32 bit or 64 bit                                                                  |                                                                                     |                                                                                     |                                             |                                             |
| • Windows 10                                                  | Yes; Windows 10 Enterprise 2016 LTSPB, 64 bit, MUI                                              |                                                                                     |                                                                                     |                                             |                                             |
| Dimensions                                                    |                                                                                                 |                                                                                     |                                                                                     |                                             |                                             |
| Width                                                         | 260 mm                                                                                          |                                                                                     |                                                                                     |                                             |                                             |
| Height                                                        | 135 mm                                                                                          |                                                                                     |                                                                                     |                                             |                                             |
| Depth                                                         | 225 mm                                                                                          |                                                                                     |                                                                                     |                                             |                                             |
| Approvals / Certificates                                      |                                                                                                 |                                                                                     |                                                                                     |                                             |                                             |
| General Product Approval                                      |                                                                                                 | Dangerous goods                                                                     |                                                                                     |                                             |                                             |
| <a href="#">Manufacturer Declaration</a>                      | <br>EG-Konf. |  |  | <a href="#">Dangerous goods information</a> | <a href="#">Dangerous goods information</a> |
| Dangerous goods                                               |                                                                                                 |                                                                                     |                                                                                     |                                             |                                             |
| <a href="#">Test Summary Report UN 38.3</a>                   |                                                                                                 |                                                                                     |                                                                                     |                                             |                                             |

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