

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 Pentium G4400 (2C/2T, 3.3 GHz, 3 MB cache) 256 GB SSD 8 GB DDR4 Windows 10 Enterprise 2016 LTSB MUI (de,en,fr,es,it), 64 bit For Pentium/Core i5; 1 x PCIe x16 Without specific expansions

| 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  | <ul style="list-style-type: none"> <li>Rated value 50 Hz Yes</li> <li>Rated value 60 Hz Yes</li> </ul>   |
| 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   | <ul style="list-style-type: none"> <li>free slots 1x PCIe (x16), optional 1x PCIe (x1), 2x PCI additionally</li> <li>Number of PCI slots 2; Optional</li> <li>Number of PCI slots 2; Optional</li> </ul> |
| 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  |
| Multimedia  | <ul style="list-style-type: none"> <li>Audio In/Out Yes</li> <li>Microphone In Yes</li> </ul>  |
| 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  |
| EMC   |  |
| Interference immunity against discharge of static electricity | <ul style="list-style-type: none"> <li>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</li> </ul> |
| 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  |
| 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 |

| Operating systems                   |  |
|-------------------------------------|--|
| pre-installed operating system      | Windows 7 Ultimate (Multi-Language) 32-bit / 64-bit; Windows 10 Enterprise 2016 LTSB         |
| 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 LTSP, 64 bit, MUI  |

| Dimensions |        |
|------------|--------|
| Width      | 260 mm |
| Height     | 135 mm |
| Depth      | 225 mm |

### Approvals / Certificates

| General Product Approval | Dangerous goods |
|--------------------------|-----------------|
|--------------------------|-----------------|

[Manufacturer Declaration](#)



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### Dangerous goods

[Test Summary Report UN 38.3](#)

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