




SIMATIC IPC527G (Box PC), Core i7-6700 (4C/8T, 3.4 (4.0) GHz); 512 GB SSD, internal; 8 GB DDR4; Windows 10 Enterprise 2016 LTSC 2x Gigabit Ethernet (IE/PN); 1x DisplayPort, 1x VGA; 4x USB3.0, 2x USB2.0; 2x RS232/485/422 (switchable); 2x RS232, 1x 8bit DIO, 2x PCI; 1x PCIe x16, 1x PCIe x1; 100/240V AC power supply without line cable

| 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"> Rated value 50 Hz | Yes |
| <ul style="list-style-type: none"> Rated value 60 Hz | Yes |
| Processor | |
| Processor type | Core i7-6700 (4C/4T, 3.6 (4.0) GHz, 8 MB Cache) |
| Chipset | Intel H110 |
| Graphic | |
| Graphics controller | Onboard Intel HD graphics 530/510 integrated in processor |
| Drives | |
| Hard disk | 1 TB HDD |
| Memory | |
| Type of memory | DDR4-2666 SO-DIMM |
| Main memory | 8 GB RAM |
| Capacity of main memory, max. | 32 Gbyte |
| Hardware configuration | |
| Slots | |
| <ul style="list-style-type: none"> free slots | 1x PCIe (x16), 1x PCIe (x1), 2x PCI |
| <ul style="list-style-type: none"> Number of PCI slots | 2 |
| <ul style="list-style-type: none"> Number of PCI slots | 2 |
| Interfaces | |
| Number of industrial Ethernet interfaces | 2; 2x Gigabit Ethernet (IE/PN), RJ45 |
| Number of PROFINET interfaces | 2 |
| 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, 2x RS 232 |
| Multimedia | |
| <ul style="list-style-type: none"> Audio In/Out | Yes |
| <ul style="list-style-type: none"> Microphone In | Yes |
| Video interfaces | |
| <ul style="list-style-type: none"> Graphics interface | 1x DisplayPort, 1x VGA |
| Industrial Ethernet | |
| <ul style="list-style-type: none"> 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 |
| Degree and class of protection | |
| IP degree of protection | IP20 |
| 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 | |
| • Ambient temperature during operation | 0 to +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 IEC 60068-2-6: 10 Hz to 58 Hz: 0.0375 mm, 58 Hz to 200 Hz: 4.9 m/s ² |
| Shock testing | |
| • Shock load during operation | Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s ² , 11 ms; with HDD: 9.8 m/s ² , 20 ms |
| Operating systems | |
| pre-installed operating system | Windows 10 Enterprise 2016 LTSC, 64 bit, MUI |
| Additional info on operating system | Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian) |
| pre-installed operating system | |
| • Windows 10 Enterprise | Yes; Windows 10 IoT Enterprise 2016 LTSC, 64bit, MUI |
| Dimensions | |
| Width | 260 mm |
| Height | 135 mm |
| Depth | 225 mm |
| last modified: | 7/28/2021  |