


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) 1 TB HDD 4 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"> Rated value 50 Hz | Yes |
| <ul style="list-style-type: none"> 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 | |
| <ul style="list-style-type: none"> free slots | 1x PCIe (x16), optional 1x PCIe (x1), 2x PCI additionally |
| <ul style="list-style-type: none"> Number of PCI slots | 2; Optional |
| <ul style="list-style-type: none"> 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 | |
| <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 |
| <ul style="list-style-type: none"> — 100 Mbps | Yes |
| <ul style="list-style-type: none"> — 1000 Mbps | Yes |
| Integrated Functions | |
| Monitoring functions | |
| <ul style="list-style-type: none"> Status LEDs | POWER, HDD |
| EMC | |
| Interference immunity against discharge of static electricity | |
| <ul style="list-style-type: none"> 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 (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 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 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 LTSB, 64 bit, MUI |
| Dimensions | |
| Width | 260 mm |
| Height | 135 mm |
| Depth | 225 mm |
| last modified: | 6/25/2021  |