

SIMATIC IPC327G (Basicbox PC); 2x display port graphic; 2x 10/100/1000 Mbps Ethernet RJ45; 4x USB3.1, 3x USB2.0; 4x serial ports (COM); Intel Atom x6413E; (up to 3.0 GHz); 4 GB RAM; 4x USB+2x COM; without operating system; 256 GB Eco SSD; ; standard;

| General information | |
|---|--|
| Product type designation | IPC327G |
| Installation type/mounting | |
| Mounting | Rail or wall mounting |
| Design | Box PC, built-in unit |
| Supply voltage | |
| Type of supply voltage | 24 V |
| Mains buffering | |
| • Mains/voltage failure stored energy time | 20 ms |
| Processor | |
| Processor type | Intel Atom X6413E |
| Drives | |
| SSD | Yes |
| Memory | |
| Type of memory | DDR4 |
| Main memory | 4 GB, 8 GB, 16 GB |
| Capacity of main memory, max. | 16 Gbyte |
| Hardware configuration | |
| Slots | |
| • free slots | 2x M.2 |
| Interfaces | |
| Number of industrial Ethernet interfaces | 2; 2x RJ45 (independent) |
| USB port | 4x USB 3.1; 3x USB 2.0 |
| Connection for keyboard/mouse | USB / USB |
| Video interfaces | |
| • Graphics interface | 2x DisplayPort |
| Industrial Ethernet | |
| • Industrial Ethernet interface | 2x Ethernet (RJ45) |
| — 100 Mbps | Yes |
| — 1000 Mbps | Yes |
| Protocols | |
| Protocols (Ethernet) | |
| • TCP/IP | Yes |
| Integrated Functions | |
| Monitoring functions | |
| • Temperature monitoring | Yes |
| • Watchdog | Yes |
| • Fan | No |
| EMC | |
| Interference immunity against discharge of static electricity | |
| • Interference immunity against discharge of static electricity | ±4 kV contact discharge acc. to IEC 61000-4-2; ±8 kV air discharge acc. to IEC 61000-4-2 |
| Interference immunity against high-frequency electromagnetic fields | |
| • Interference immunity against high frequency radiation | 10 V/m for 80 - 1 000 MHz and 1.4 - 2 GHz, 80% AM acc. to IEC 61000-4-3; 3 V/m for 2 - 2.7 GHz, 80% AM acc. to IEC 61000-4-3; 10 V for 10 kHz - 80 MHz, 80% AM acc. to IEC 61000-4-6 |
| Degree and class of protection | |
| IP degree of protection | IP40 |

| Standards, approvals, certificates | |
|------------------------------------|--|
| CE mark | Yes |
| CSA approval | Yes |
| UL approval | Yes |
| KC approval | Yes |
| EAC (formerly Gost-R) | Yes |
| FCC | Yes |
| BSMI | Yes |
| Dust protection | Protection against foreign bodies > 1 mm |

| Ambient conditions | |
|---|---|
| Ambient temperature during operation | |
| • min. | 0 °C |
| • max. | 55 °C; without M.2 module |
| Ambient temperature during storage/transportation | |
| • min. | -20 °C |
| • max. | 70 °C |
| Relative humidity | |
| • Relative humidity | 5 ... 85 % at 30 °C, no condensation |
| Vibrations | |
| • Vibration resistance during operation acc. to IEC 60068-2-6 | 58 Hz to 200 Hz: 4.9 m/s ² ; tested according to IEC 60068-2-6 |
| Shock testing | |
| • Shock load during operation | with SSD: 150 m/s ² , 11 ms, 5 g, 30 ms, tested accordance with IEC 60068-2-27 |

| Operating systems | |
|--------------------------------|---|
| pre-installed operating system | Windows 10 IoT Enterprise 2019 LTSC, 64 bit, MUI |
| without operating system | Yes; Optional |
| pre-installed operating system | |
| • Windows 10 Enterprise | Yes; Windows 10 IoT Enterprise 2019 LTSC, 64 bit, MUI |

| Dimensions | |
|------------|--------|
| Width | 254 mm |
| Height | 132 mm |
| Depth | 73 mm |

Approvals / Certificates

General Product Approval


CB






EG-Konf.



[Manufacturer Declaration](#)


UL

[Miscellaneous](#)

| | | |
|---|---|---|
| General Product Approval | EMV | Dangerous goods |
|  <small>RCM</small> |  | BIS CRS |
|  |  <small>RCM</small> | Dangerous goods information |

Dangerous goods

[Test Summary Report UN 38.3](#)

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