




SIMATIC IPC127E; Atom E3930 (2C/2T), 2 GB RAM; Base version; 2x Ethernet RJ45, 2x USB3.0; without operating system; 32 GB SSD; without mounting accessories

| General information | |
|--|------------------------------------|
| Product type designation | IPC127E |
| Installation type/mounting | |
| Design | Box PC, built-in unit |
| Supply voltage | |
| Type of supply voltage | 24 V DC |
| Mains buffering | |
| <ul style="list-style-type: none"> Mains/voltage failure stored energy time | 5 ms |
| Processor | |
| Processor type | Intel Atom E3930, 1.3 GHz, 2 cores |
| Drives | |
| SSD | Yes; 32 GB |
| Memory | |
| Type of memory | DDR4 |
| Main memory | 2 GB RAM |
| Capacity of main memory, max. | 2 Gbyte |
| Hardware configuration | |
| Slots | |
| <ul style="list-style-type: none"> Number of PCI slots | 0 |
| Interfaces | |
| Number of industrial Ethernet interfaces | 2; 2x RJ45 (independent) |
| Number of PROFINET interfaces | 2 |
| USB port | 2x USB 3.0 |
| Connection for keyboard/mouse | USB / USB |
| Video interfaces | |
| <ul style="list-style-type: none"> Graphics interface | 1x DisplayPort |
| Industrial Ethernet | |
| <ul style="list-style-type: none"> Industrial Ethernet interface <ul style="list-style-type: none"> — 100 Mbps — 1000 Mbps | 2x Ethernet (RJ45) Yes Yes |
| Protocols | |
| Protocols (Ethernet) | |
| <ul style="list-style-type: none"> TCP/IP | Yes |
| Integrated Functions | |
| Monitoring functions | |
| <ul style="list-style-type: none"> Temperature monitoring | Yes |

| | |
|---|---|
| <ul style="list-style-type: none"> • Watchdog • Status LEDs • Fan | <p>Yes</p> <p>1x power, 3x user</p> <p>No</p> |
| 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 |
| Interference immunity against high-frequency electromagnetic fields | |
| <ul style="list-style-type: none"> • Interference immunity against high frequency radiation | 10 V/m, 80 MHz to 2 GHz, 80 % AM acc. to IEC 61000-4-3; 3 V/m, 2 GHz to 2.7 GHz, 80 % AM acc. to IEC 61000-4-3; 10 V, 10 kHz to 80 MHz, 80 % AM acc. to IEC 61000-4-6 |
| Interference immunity to cable-borne interference | |
| <ul style="list-style-type: none"> • Interference immunity on supply cables | ±2 kV (according to IEC 61000-4-4; burst); ±0,5 kV (according to IEC 61000-4-5; surge pulse/line to line); ±1 kV (according to IEC 61000-4-5; surge pulse/line to ground) |
| <ul style="list-style-type: none"> • Interference immunity on signal cables >30m • Interference immunity on signal cables < 30m | ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m |
| Interference immunity to magnetic fields | |
| <ul style="list-style-type: none"> • Interference immunity to magnetic fields at 50 Hz | 100 A/m; to IEC 61000-4-8 |
| Emission of conducted and non-conducted interference | |
| <ul style="list-style-type: none"> • Interference emission via line/AC current cables | EN 61000-6-4:2007 +A1:2011 (industrial environments), EN 61000-6-3:2007 +A1:2011 (residential environments), CISPR 22 Class B, FCC Class A |
| Degree and class of protection | |
| IP degree of protection | IP40 |
| Standards, approvals, certificates | |
| CE mark | Yes |
| UL approval | Yes |
| Dust protection | Protection against foreign bodies > 1 mm |
| Ambient conditions | |
| Ambient temperature during operation | |
| <ul style="list-style-type: none"> • Ambient temperature during operation | 0 °C up to 55 °C |
| Ambient temperature during storage/transportation | |
| <ul style="list-style-type: none"> • min. • max. | -20 °C 70 °C |
| Relative humidity | |
| <ul style="list-style-type: none"> • Relative humidity | 5 ... 85 % at 30 °C, no condensation |
| Vibrations | |
| <ul style="list-style-type: none"> • Vibration resistance during operation acc. to IEC 60068-2-6 | Tested according to IEC 6068-2-6; 5 Hz to 9 Hz: 3.5 mm, 9 Hz to 500 Hz: 9,8 m/s ² |
| Shock testing | |
| <ul style="list-style-type: none"> • Shock load during operation | Tested according to IEC 60068-2-27: 150 m/s ² , 11 ms |
| Operating systems | |
| pre-installed operating system | No |
| pre-installed operating system | |
| <ul style="list-style-type: none"> • Windows 10 Enterprise | No |
| Dimensions | |
| Width | 85 mm |
| Height | 85 mm |
| Depth | 41 mm |
| last modified: | 5/31/2021  |