


no longer available SIMATIC IPC347E (rack PC, 19, 4 U); Pentium Dual Core 3420 (2C/2T, 3.2 GHz, 3 MB cache); interfaces: 2x Gbit Ethernet, 1x DVI-D, 1x VGA, 2x USB on the front, 4x USB on the rear, 1x USB internal, 2x serial, 2x PS/2, audio; 1x 500 GB HDD, internal; 4 GB DDR3 SD-RAM (1x 4 GB), single channel; DVD +/-RW; Windows 7 Ultimate 64 bit SP1; 100/240 V industrial power supply, without line cable



| Installation type/mounting | |
|---|---|
| Mounting | For horizontal rack mounting |
| Design | Rack PC, 19", 4U |
| Supply voltage | |
| Type of supply voltage | 100 - 240 V AC |
| 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 | Pentium Dual Core G3420 (2C/2T, 3.2 GHz, 3 MB Cache) |
| Drives | |
| Hard disk | 500 GB HDD |
| Memory | |
| Type of memory | DDR3-SDRAM |
| Main memory | 4 GB (pre-installed), support up to 16 GB |
| Capacity of main memory, max. | 4 Gbyte |
| Hardware configuration | |
| Slots | |
| <ul style="list-style-type: none"> free slots | 4x PCI, 1x PCIe (x1), 1x PCIe (x8) (2 Lanes), 1x PCIe (x16) (16 Lanes) |
| <ul style="list-style-type: none"> Number of PCI slots | 4 |
| Interfaces | |
| Interfaces/bus type | 2x Gbit Ethernet (RJ45), 1x DVI-D, 1x VGA, 4x USB 2.0 on rear, 2x USB 2.0 on front, 2x COM, 2x PS/2, Audio (Line In, Line Out, Micro) |
| Number of industrial Ethernet interfaces | 2 |
| Number of PROFINET interfaces | 0 |
| USB port | 2x USB 3.0 rear, 2x USB 2.0 rear, 2x USB 2.0 front, 1x USB 2.0 internal |
| Connection for keyboard/mouse | 2x PS/2 |
| serial interface | 2x COM ports (RS 232, RS 422, RS 485) |
| 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 VGA; 1x DVI-D |
| Industrial Ethernet | |
| <ul style="list-style-type: none"> Industrial Ethernet interface | 2x Ethernet (RJ45) |
| <ul style="list-style-type: none"> — 100 Mbps | Yes |
| <ul style="list-style-type: none"> — 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 | ±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, 80% AM acc. to IEC 61000-4-3; 3 V/m for 1.4 - 2 GHz, 80% AM acc. to IEC 61000-4-3; 1 V/m for 2 - 2.7 GHz, 80% AM acc. to IEC 61000-4-3; 10 V for 150 kHz - 80 MHz, 80% AM acc. to IEC 61000-4-6 |
| Interference immunity to cable-borne interference | |
| • Interference immunity on supply cables | ±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric |
| • Interference immunity on signal cables >30m | ±2 kV acc. to IEC 61000-4-4, burst; length > 30 m; ±2 kV acc. to IEC 61000-4-5, surge; length > 30 m |
| • Interference immunity on signal cables < 30m | ±1 kV acc. to IEC 61000-4-4, Burst |
| Interference immunity against voltage surge | |
| • asymmetric interference | ±2 kV acc. to IEC 61000-4-5, surge asymmetric |
| • symmetric interference | ±1 kV acc. to IEC 61000-4-5, surge symmetric |
| Interference immunity to magnetic fields | |
| • Interference immunity to magnetic fields at 50 Hz | 30 A/m; to IEC 61000-4-8 |
| Emission of conducted and non-conducted interference | |
| • Interference emission via line/AC current cables | IEC 61000-6-4, CISPR 22, FCC Class A |
| Compliance with line harmonic distortion limits | |
| • Compliance with line harmonic distortion acc. to IEC 61000-3-2, IEC 61000-3-3 | Yes; EN 61000-3-2 Class D; EN 61000-3-3 |
| Degree and class of protection | |
| IP degree of protection | IP20 |
| IP (at the front) | IP20 |
| IP (rear) | IP20 |
| Standards, approvals, certificates | |
| CE mark | Yes |
| UL approval | Yes |
| cULus | Yes |
| KC approval | Yes |
| FCC | Yes |
| EMC | CE, EN 61000-6-4:2007 +A1:2011, EN 61000-6-2:2005 |
| Ambient conditions | |
| Ambient temperature during operation | |
| • Ambient temperature during operation | +5 °C to +40 °C |
| Ambient temperature during storage/transportation | |
| • min. | -20 °C |
| • max. | 60 °C |
| Relative humidity | |
| • Relative humidity | Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5% to 80% at 25 °C (no condensation), Storage: 5% to 95% at 25 °C (no condensation) |
| Operating systems | |
| pre-installed operating system | Windows 7 Ultimate (Multi-Language) 64-bit |
| pre-installed operating system | |
| • Windows 7 | Yes; Ultimate 64 bit |
| Mechanics/material | |
| Enclosure material (front) | |
| • Aluminum | Yes |
| Dimensions | |
| Width | 430 mm |
| Height | 177 mm |
| Depth | 463 mm |
| last modified: | 5/31/2021  |