


SIMATIC IPC347G (rack PC, 19", 4 U); Core i7 6700 (4C/8T, 3.4 (4.0) GHz, 8 MB cache); 2x Gbit Ethernet, 1x DP, 1x VGA, 2x USB on the front, 4x USB on the rear side, 2x USB internal, 2x serial, 2x PS/2, audio; 1x 1 TB HDD, internal; 8 GB DDR4 (1x 8 GB), no DVD +/-RW; Windows 10 IoT Enterprise for i7; 100/240 V industrial power supply, without line cable



Figure similar

| Installation type/mounting | |
|--|--|
| Mounting | For horizontal and vertical 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 Rated value 60 Hz | Yes Yes |
| Processor | |
| Processor type | Core i7-6700 (4C/4T, 3.6 (4.0) GHz, 8 MB Cache) |
| Chipset | Intel H110 |
| Drives | |
| Hard disk | 1 TB HDD |
| Memory | |
| Main memory | 8 GB (pre-installed), support up to 32 GB |
| Capacity of main memory, max. | 8 Gbyte |
| Hardware configuration | |
| Slots | |
| <ul style="list-style-type: none"> free slots Number of PCI slots Number of PCI slots | 3x PCI, 1x PCIe (x16), 1xPCIe (x4) (4 or 2 lanes), 2x PCIe (x4) (1 lane) 3 4 |
| Interfaces | |
| Number of industrial Ethernet interfaces | 2 |
| Number of PROFINET interfaces | 2 |
| USB port | 4x USB 3.0 on rear panel, 2x USB 2.0 on front panel, 2x USB 2.0 internal and 2x pin header USB |
| Connection for keyboard/mouse | 2x PS/2 |
| serial interface | 2x COM ports (RS 232, RS 422, RS 485) and 2x COM pin header |
| Multimedia | |
| <ul style="list-style-type: none"> Audio In/Out Microphone In | Yes 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 <ul style="list-style-type: none"> 100 Mbps 1000 Mbps | Yes 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, 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 | |
| • 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 |
| 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 (rear) | IP20 |
| Ambient conditions | |
| Ambient temperature during operation | |
| • min. | 5 °C |
| • max. | 40 °C |
| Operating systems | |
| pre-installed operating system | Windows 10 IoT Enterprise 2019 LTSC, 64 bit, MUI |
| without operating system | No |
| pre-installed operating system | |
| • Windows 10 Enterprise | Yes |
| Dimensions | |
| Width | 430 mm |
| Height | 176 mm |
| Depth | 465.8 mm |
| last modified: | 9/17/2021  |