


SIMATIC IPC347G (rack PC, 19", 4 U); Core i5-6500 (4C/4T, 3.2 (3.6) GHz, 6 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 Pentium/i3/i5; 100/240 V industrial power supply, without line cable



| 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"> <li>Rated value 50 Hz</li> </ul>             | Yes  |
| <ul style="list-style-type: none"> <li>Rated value 60 Hz</li> </ul>             | Yes  |
| Processor   |  |
| Processor type  | Core i5-6500 (4C/4T, 3.2 (3.6) GHz, 6 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"> <li>free slots</li> </ul>                    | 3x PCI, 1x PCIe (x16), 1xPCIe (x4) (4 or 2 lanes), 2x PCIe (x4) (1 lane)                       |
| <ul style="list-style-type: none"> <li>Number of PCI slots</li> </ul>           | 3  |
| <ul style="list-style-type: none"> <li>Number of PCI slots</li> </ul>           | 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"> <li>Audio In/Out</li> </ul>                  | Yes  |
| <ul style="list-style-type: none"> <li>Microphone In</li> </ul>                 | Yes  |
| Video interfaces  |  |
| <ul style="list-style-type: none"> <li>Graphics interface</li> </ul>            | 1x DisplayPort, 1x VGA   |
| Industrial Ethernet   |  |
| <ul style="list-style-type: none"> <li>Industrial Ethernet interface</li> </ul> |  |
| <ul style="list-style-type: none"> <li>— 100 Mbps</li> </ul>                    | Yes  |
| <ul style="list-style-type: none"> <li>— 1000 Mbps</li> </ul>                   | Yes  |
| Integrated Functions  |  |
| Monitoring functions  |  |

|   |   |
|---|---|
| • Status LEDs   | POWER, HDD  |
| <b>EMC</b>  |   |
| 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                                     |   |
| • 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   |
| <b>Degree and class of protection</b>   |   |
| IP degree of protection   | IP20  |
| IP (rear)   | IP20  |
| <b>Ambient conditions</b>   |   |
| Ambient temperature during operation  |   |
| • Ambient temperature during operation  | +5 °C to +40 °C   |
| <b>Operating systems</b>  |   |
| 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   |
| <b>Dimensions</b>   |   |
| Width   | 430 mm  |
| Height  | 176 mm  |
| Depth   | 465.8 mm  |
| <b>last modified:</b>   | 9/17/2021    |