


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

| 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> <li>Rated value 60 Hz</li> </ul>   | Yes<br>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.  | 32 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)  |
| Interfaces   |   |
| 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> <li>Microphone In</li> </ul>  | Yes<br>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               <ul style="list-style-type: none"> <li>100 Mbps</li> <li>1000 Mbps</li> </ul> </li> </ul> | Yes<br>Yes  |
| Integrated Functions   |   |
| Monitoring functions   |   |
| <ul style="list-style-type: none"> <li>Status LEDs</li> </ul>  | POWER, HDD  |
| EMC  |   |
| Interference immunity against discharge of static electricity  |   |
| <ul style="list-style-type: none"> <li>Interference immunity against discharge of static electricity</li> </ul>  | ±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  |   |
| <ul style="list-style-type: none"> <li>Interference immunity against high frequency radiation</li> </ul>   | 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"> <li>Interference immunity on supply cables</li> </ul>   | ±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge  |

|   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• Interference immunity on signal cables &gt;30m</li> </ul>                                | symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric   |
| <ul style="list-style-type: none"> <li>• Interference immunity on signal cables &lt; 30m</li> </ul>                               | ±2 kV acc. to IEC 61000-4-4, burst; length > 30 m; ±2 kV acc. to IEC 61000-4-5, surge; length > 30 m |
| <b>Interference immunity against voltage surge</b>  |  |
| <ul style="list-style-type: none"> <li>• asymmetric interference</li> </ul>   | ±2 kV acc. to IEC 61000-4-5, surge asymmetric  |
| <ul style="list-style-type: none"> <li>• symmetric interference</li> </ul>  | ±1 kV acc. to IEC 61000-4-5, surge symmetric   |
| <b>Emission of conducted and non-conducted interference</b>   |  |
| <ul style="list-style-type: none"> <li>• Interference emission via line/AC current cables</li> </ul>                              | IEC 61000-6-4, CISPR 22, FCC Class A   |
| <b>Compliance with line harmonic distortion limits</b>  |  |
| <ul style="list-style-type: none"> <li>• Compliance with line harmonic distortion acc. to IEC 61000-3-2, IEC 61000-3-3</li> </ul> | Yes; EN 61000-3-2 Class D; EN 61000-3-3  |
| <b>Degree and class of protection</b>   |  |
| IP (at the front)   | 20   |
| IP (rear)   | IP20   |
| <b>Ambient conditions</b>   |  |
| <b>Ambient temperature during operation</b>   |  |
| <ul style="list-style-type: none"> <li>• Ambient temperature during operation</li> </ul>  | +5 °C to +40 °C  |
| <b>Operating systems</b>  |  |
| without operating system  | No   |
| <b>pre-installed operating system</b>   |  |
| <ul style="list-style-type: none"> <li>• Windows 10 Enterprise</li> </ul>   | Yes  |
| <b>Dimensions</b>   |  |
| Width   | 430 mm   |
| Height  | 176 mm   |
| Depth   | 465.8 mm   |
| <b>last modified:</b>   | 5/31/2021         |