# SIEMENS

**Data sheet**                                                    **6AG4012-2BA10-0AX0**

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; 4 GB DDR4 (1x 4 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 | |
| ● Rated value 50 Hz | Yes |
| ● Rated value 60 Hz | 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** | |
| Capacity of main memory, max. | 32 Gbyte |
| **Hardware configuration** | |
| Slots | |
| ● free slots | 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 |
| serial interface | 2x COM ports (RS 232, RS 422, RS 485) and 2x COM pin header |
| Multimedia | |
| ● Audio In/Out | Yes |
| ● Microphone In | Yes |
| Video interfaces | |
| ● Graphics interface | 1x DisplayPort, 1x VGA |
| Industrial Ethernet | |
| ● Industrial Ethernet interface | |
| — 100 Mbps | Yes |
| — 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, 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 |

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| ● 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 (at the front) | 20 |
| IP (rear) | IP20 |
| **Ambient conditions** | |
| Ambient temperature during operation | |
| ● Ambient temperature during operation | +5 °C to +40 °C |
| **Dimensions** | |
| Width | 430 mm |
| Height | 176 mm |
| Depth | 465.8 mm |

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| **last modified:** | 5/31/2021 ⃗ |