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## Data sheet 6AG4012-2BA20-0AX0

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; 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



Figure similar

| | |
|---|---|
| **General information** | |
| Product type designation | IPC347G |
| **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 |
| **Graphic** | |
| Graphics card | Yes |
| **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 | |
| ● free slots | 3x PCI, 1x PCIe (x16), 1xPCIe (x4) (4 or 2 lanes), 2x PCIe (x4) (1 lane) |
| ● Number of PCI slots | 3 |
| ● Number of PCI slots | 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 version | 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 | |


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| | |
|---|---|
| — 100 Mbps | Yes |
| — 1000 Mbps | Yes |
| **Interrupts/diagnostics/status information** | |
| LED status display | 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 | |
| ● 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 |

**Classifications**

| | Version | Classification |
|---|---|---|
| eClass | 14 | 19-20-01-02 |
| eClass | 12 | 19-20-01-02 |
| eClass | 9.1 | 19-20-01-02 |
| eClass | 9 | 19-20-01-02 |
| eClass | 8 | 19-20-01-02 |
| eClass | 7.1 | 19-20-01-02 |
| eClass | 6 | 19-20-01-02 |
| ETIM | 9 | EC001413 |
| ETIM | 8 | EC001413 |
| ETIM | 7 | EC001413 |
| IDEA | 4 | 6606 |
| UNSPSC | 15 | 43-21-15-06 |

**Approvals / Certificates**

**General Product Approval**


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|---|---|---|---|---|---|
| Manufacturer Declaration | CE EG-Konf. | UKCA | Miscellaneous | Miscellaneous | RCM |

| General Product Approval | EMV | Dangerous goods |
|---|---|---|
| BIS CRS | RCM | Dangerous goods information |

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