SIEMENS

Data sheet

6AG4012-2AA10-0XX0

SIMATIC IPC347G (rack PC, 19", 4 U); Pentium Dual Core G4400 (2C/2T, 3.3 GHz, 3 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; without operating system; 100/240 V industrial power supply unit, without supply cable



Figure similar

| Installation type/mounting For horizontal and vertical mounting Design Rack PC, 19", 4U Supply voltage 100 - 240 V AC Line frequency • • Rated value 50 Hz Yes Processor Yes Processor type Intel Pentium G4400 Chipset Intel H110 Drives Hard disk Hard disk 1 TB HDD Memory 4 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 4 GB (pre-installed), support up to 32 GB • 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 2 Number of PCI slots 4 Number of PCI slots 4 Interfaces 2 Video interfaces 2 Video interfaces 2 Video interfaces 2 • Multimedia 4 • Audio In/Out Yes • Midoin Mout Yes • Graphics interface 1x DisplayPort, 1x VGA | | |
|---|---|--|
| Design Rack PC, 19', 4U Supply voltage 100 - 240 V AC Line frequency • Rated value 50 Hz Yes • Rated value 60 Hz Yes Processor • Processor type Intel Pentium G4400 Chipset Intel H110 Drives • Hard disk 1 TB HDD Main memory 4 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 4 GB/yte Hardware configuration 3 x 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 Number of PCI slots 4 Number of PCI slots 2 Number of PCI slots 4 Support 4 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 4 • Audio In/Out Yes • Video Interfaces 1x DisplayPort, 1x VGA Industrial Ethernet 100 Mps | Installation type/mounting | |
| Supply voltage 100 - 240 V AC Line frequency • Rated value 50 Hz Yes • Rated value 60 Hz Yes Processor Yes Processor type Intel Pentium G4400 Chipset Intel Pentium G4400 Processor Intel Pentium G4400 Processor Intel Pentium G4400 Processor Intel Pentium G4400 Memory 4 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 4 Gbyte Hardware configuration Stots Stots 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 2 Number of PROFINET interfaces 2 USB port 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 Yes • Microphone In Yes Video interface 1x DisplayPort, 1x VGA Industrial | Mounting | For horizontal and vertical mounting |
| Type of supply voltage 100 - 240 V AC Line frequency • Rated value 50 Hz • Rated value 60 Hz Yes • Rated value 60 Hz Yes Processor Intel Pentium G4400 Chipset Intel H110 Drives Intel H110 Main memory 4 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 4 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 4 GB (pre-installed), support up to 32 GB • free slots 3 x 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 2 Number of PROFINET interfaces 2 USB port 4 x USB 3.0 on rear panel, 2x USB 2.0 on front panel, 2x USB 2.0 infort pane | Design | Rack PC, 19", 4U |
| Interfequency Rated value 50 Hz Yes • Rated value 60 Hz Yes Processor Intel Pentium G4400 Chipset Intel H110 Drives Hard disk Hard disk 1 TB HDD Memory 4 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 4 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 4 Interfaces 2 Number of PROFINET interfaces 2 USB port uinternal 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 Wultimedia Yes • Microphone In Yes Video interfaces 1x DisplayPort, 1x VGA Industrial Ethernet 1/not Mps • Industrial Ethernet 1/x DisplayPort, 1x VGA | Supply voltage | |
| • Rated value 60 Hz Yes • Rated value 60 Hz Yes Processor Intel Pentium G4400 Chipset Intel Pentium G4400 Chipset Intel H110 Drives Hard disk Hard disk 1 TB HDD Memory 4 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 4 GB/yte Hardware configuration Stots Stots 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 3 • Number of PCI slots 2 Number of PCI slots 2 • Number of PCI slots 2 • Number of PROFINET interfaces 2 USB port 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 Wuttimedia Yes • Microphone In Yes Video interfaces 1x DisplayPort, 1x VGA Industrial Ethernet 1x DisplayPort, 1x VGA Industrial Ethernet interface 1x DisplayPo | Type of supply voltage | 100 - 240 V AC |
| • Rated value 60 Hz Yes Processor Intel Pentium G4400 Processor type Intel Pentium G4400 Chipset Intel H110 Drives Intel H110 Main memory 4 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 4 GByte Hardware configuration Gase (pre-installed), support up to 32 GB Stots 3 K 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 2 Number of PROFINET interfaces 2 Vumber of PROFINET interfaces 2 USB port 4 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 Yes • Microphone In Yes • Video inferfaces 1x DisplayPort, 1x VGA Industrial Ethernet interface 1x DisplayPort, 1x VGA Industrial Ethernet interface 1x DisplayPort, 1x VGA | Line frequency | |
| Processor Processor type Intel Pentium G4400 Chipset Intel H110 Drives Intel H110 Memory 4 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 4 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 4 Gbyte Hardware configuration Stots Stots 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 3 • Number of PCI slots 4 Interfaces 2 Number of PCI slots 4 Interfaces 2 Number of PROFINET interfaces 2 USB port Interface Connection for keyboard/mouse 2x PS/2 serial interface 2x COM ports (RS 232, RS 422, RS 485) and 2x COM pin header Multimedia Yes • Mictorphone In Yes Video interfaces 1x DisplayPort, 1x VGA Industrial Ethernet 1ndustrial Ethernet • Industrial Ethernet 1x DisplayPort, 1x VGA | Rated value 50 Hz | Yes |
| Processor type Intel Pentium G4400 Chipset Intel H110 Drives Intel H110 Hard disk 1 TB HDD Memory 4 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 4 Gbyte Hardware configuration Slots 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 2 Number of PCI slots 4 Interfaces 2 Number of PCI slots 4 Value of PCI slots 4 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 R S/2 serial interface 2x COM ports (RS 232, RS 422, RS 485) and 2x COM pin header Multimedia Yes • Audio In/Out Yes • Graphics interface 1x DisplayPort, 1x VGA Industrial Ethernet interface - 100 Mbps - 1000 Mbps <t< td=""><td> Rated value 60 Hz </td><td>Yes</td></t<> | Rated value 60 Hz | Yes |
| Chipset Intel H110 Drives ITB HDD Hard disk 1 TB HDD Memory 4 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 4 Gbyte Hardware configuration Slots 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 2 Number of PROFINET 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 information 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 Yes • Audio In/Out Yes • Microphone In Yes Video interfaces 1x DisplayPort, 1x VGA Industrial Ethernet interface 1x DisplayPort, 1x VGA Industrial Ethernet interface 1x DisplayPort, 1x VGA | Processor | |
| Drives Hard disk 1 TB HDD Memory 4 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 4 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 3 • Number of PCI slots 2 Number of PROFINET 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 serial interface 2x COM ports (RS 232, RS 422, RS 485) and 2x COM pin header Multimedia Yes • Audio In/Out Yes • Video interfaces 1x DisplayPort, 1x VGA Industrial Ethernet interface 1x DisplayPort, 1x VGA Industrial Ethernet interface - 100 Mbps - 1000 Mbps Yes | Processor type | Intel Pentium G4400 |
| Hard disk 1 TB HDD Memory 4 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 4 Gbyte Hardware configuration Slots 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 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 intermal 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 Yes • Microphone In Yes Video interfaces 1x DisplayPort, 1x VGA Industrial Ethernet interface 1x DisplayPort, 1x VGA Industrial Ethernet interface 1x DisplayPort, 1x VGA | Chipset | Intel H110 |
| Memory 4 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 4 Gbyte Hardware configuration 5 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 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 Yes Video interfaces 1x DisplayPort, 1x VGA Industrial Ethernet 1x DisplayPort, 1x VGA Industrial Ethernet 1x DisplayPort, 1x VGA | Drives | |
| Main memory 4 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 4 Gbyte Hardware configuration 5lots 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 2 Number of Industrial Ethernet 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 2 Connection for keyboard/mouse 2x COM ports (RS 232, RS 422, RS 485) and 2x COM pin header Multimedia Yes • Audio In/Out Yes • Graphics interface 1x DisplayPort, 1x VGA Industrial Ethernet 1ndustrial Ethernet • Industrial Ethernet 1x DisplayPort, 1x VGA | Hard disk | 1 TB HDD |
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| 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 - • Audio In/Out Yes • Microphone In Yes Video interfaces 1x DisplayPort, 1x VGA Industrial Ethernet - • Industrial Ethernet interface - - 100 Mbps Yes - 1000 Mbps Yes | Number of PCI slots | 4 |
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| internal and 2x pin header USBConnection for keyboard/mouse2x PS/2serial interface2x COM ports (RS 232, RS 422, RS 485) and 2x COM pin headerMultimediaYes• Audio In/OutYes• Microphone InYesVideo interfaces1x DisplayPort, 1x VGAIndustrial Ethernet- 100 Mbps- 100 MbpsYesYesYes | Number of PROFINET interfaces | 2 |
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| Video interfaces • Graphics interface 1x DisplayPort, 1x VGA Industrial Ethernet • Industrial Ethernet interface - 100 Mbps Yes - 1000 Mbps Yes | | |
| Industrial Ethernet Industrial Ethernet interface | · | |
| Industrial Ethernet Industrial Ethernet interface | | 1x DisplayPort, 1x VGA |
| — 100 Mbps Yes — 1000 Mbps Yes | • | |
| — 1000 Mbps Yes | Industrial Ethernet interface | |
| | — 100 Mbps | Yes |
| Integrated Functions | — 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 electromagnet | ic 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 | |
| Ambient temperature during operation | +5 °C to +40 °C |
| Operating systems | |
| pre-installed operating system | without operating system |
| Dimensions | |
| Width | 430 mm |
| Height | 176 mm |
| Depth | 465.8 mm |
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last modified:

10/14/2021 🖸