6AG4012-2BA20-0AX0

Data sheet

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

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 Rated value 60 Hz Rated value 60 Hz Processor Processor Processor Processor Processor Hard disk 1 TB HDD Memory Main memory As G B, (pre-installed), support up to 32 GB Capacity of main memory, max. 8 Gbyte Hardware configuration Siots • free slots • free slots • Number of PCI slots • Vumber of PCI slot	Installation type/mounting	
Design	Mounting	For horizontal and vertical mounting
Type of supply voltage Line frequency • Rated value 50 Hz • Rated value 60 Hz Processor Processor type Chipset Intel H110 Drives Hard disk 1 TB HDD Memory Main memory Main memory, max. 8 Gbyte Hardware configuration Slots • free slots • Number of PCI slots 12 USB port 4x USB 3.0 on rear panel, 2x USB 2.0 on front panel, 2x USB 2.0 internal and 2x pin neader USB Connection for keyboard/mouse 2x PS/2 serial interface Audio In/Out • Microphone in Yes Video interfaces • Graphics interface Industrial Ethernet • Industrial Ethernet Interface — 100 Mbps — 1000 Mbps — Yes Integrated Functions	Design	Rack PC, 19", 4U
Line frequency	Supply voltage	
● Rated value 50 Hz ● Rated value 60 Hz Processor Processor type Core i5-6500 (4C/4T, 3.2 (3.6) GHz, 6 MB Cache) Intel H110 Drives Hard disk 1 TB HDD Memory Main memory As GB (pre-installed), support up to 32 GB Capacity of main memory, max. 8 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 8 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 1 Free slots • Number of PCI slots • Number of PROFINET interfaces Value 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 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 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 1x DisplayPort, 1x VGA Industrial Ethernet • Industrial Ethernet interface 1x DisplayPort, 1x VGA Industrial Ethernet • Industrial Ethernet interface 1x DisplayPort, 1x VGA Industrial Ethernet • Industrial Ethernet interface 1x DisplayPort, 1x VGA Industrial Ethernet interface 1x DisplayPort, 1x VGA	Type of supply voltage	100 - 240 V AC
Processor V Processor type Chipset Intel H110 Drives Hard disk Amenory Memory Main memory Capacity of main memory, max. 8 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 8 Gbyte Hardware configuration Slots • free slots • Number of PCI slots • Number of Industrial Ethernet Interfaces Number of PROFINET Interfaces 2 Number of PROFINET interfaces 2 Subserval interface Connection for keyboard/mouse serial interface ■ Audio In/Out • Microphone In Video interfaces • (Graphics interface Industrial Ethernet interface ■ (Audio In/Out • Audio In/Out • Microphone In Video interfaces • (Graphics interface ■ (Industrial Ethernet Interface) ■ (Industrial Ethernet Interface ■ (Industrial Ethernet Interface) ■ (Industrial Ethernet	Line frequency	
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	Rated value 50 Hz	Yes
Processor type Core 15-6500 (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 Siots • free slots 3x PCI, 1x PCIe (x16), 1xPCIe (x4) (4 or 2 lanes), 2x PCIe (x4) (1 lane) • Number of PCI slots 4 Interfaces 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 4yes • Microphone in 4yes Video interfaces • Graphics interface 1x DisplayPort, 1x VGA Industrial Ethernet • Industrial Ethernet interface 1x DisplayPort, 1x VGA Industrial Ethernet 1x DisplayPort, 1x VGA Integrated Functions	Rated value 60 Hz	Yes
Chipset	Processor	
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 2x COM ports (RS 232, RS 422, RS 485) and 2x COM pin header Multimedia • Audio In/Out 4 Yes • Microphone In 4 Yes Video interfaces • Graphics interface 1x DisplayPort, 1x VGA Industrial Ethernet • Industrial Ethernet interface — 100 Mbps — 1000 Mbps — 1000 Mbps Yes Integrated Functions	Processor type	Core i5-6500 (4C/4T, 3.2 (3.6) GHz, 6 MB Cache)
Hard disk 1 TB HDD Memory Main memory Capacity of main memory, max. 8 GBy (pre-installed), support up to 32 GB Capacity of main memory, max. 8 Gbyte Hardware configuration Silots • free slots • Number of PCI slots • Number of PCI slots • Number of PCI slots • Number of PROFINET interfaces 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 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 4x COM ports (RS 232, RS 422, RS 485) and 2x COM pin header Multimedia • Audio In/Out • Microphone In Yes Video interfaces • Graphics interface 1x DisplayPort, 1x VGA Industrial Ethernet • Industrial Ethernet interface — 100 Mbps — 1000 Mbps — 1000 Mbps Yes Integrated Functions	Chipset	Intel H110
Main memory 8 GB (pre-installed), support up to 32 GB Capacity of main memory, max. 8 GByte Hardware configuration Slots • free slots • Number of PCI slots • Number of PCI slots • Number of PCI slots • Number of PROFINET interfaces Number of PROFINET 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 serial interface Audio In/Out • Audio In/Out • Microphone In Yes Video interfaces • Graphics interface Industrial Ethernet interface • Industrial Ethernet interface — 100 Mbps — 1000 Mbps Yes Integrated Functions	Drives	
Main memory Representabled), support up to 32 GB Capacity of main memory, max. Be Gbyte Hardware configuration Slots Interfaces Number of PCI slots Number of PCI slots Number of PROFINET interfaces USB port Au 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 Audio In/Out Audio In/Out Multimedia Audio In/Out Microphone In Yes Video interfaces Industrial Ethernet interface In DisplayPort, 1x VGA Integrated Functions Yes Integrated Functions	Hard disk	1 TB HDD
Capacity of main memory, max. Hardware configuration Slots • free slots • Number of PCI slots • Number of PCI slots • Number of PCI slots • Number of PROFINET interfaces 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 Audio In/Out • Audio In/Out • Microphone In Ves Video interfaces • Graphics interface Industrial Ethernet • Industrial Ethernet • Industrial Ethernet • Industrial Ethernet interface — 100 Mbps — 100 Mbps — 1000	Memory	
Hardware configuration Slots • free slots • Number of PCI slots • Number of PCI slots • Number of industrial Ethernet interfaces 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 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 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 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 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 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 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 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 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 4x USB 3.0 on rear panel, 2x USB 2.0 on front panel, 2x USB 2.0 internal and 2x pin header USB 2x PS/2 serial interface 1x DisplayPort, 1x VGA Industrial Ethernet interface 4x USB 3.0 on rear panel, 2x USB 2.0 on front panel, 2x USB 2.0 internal and 2x pin header USB 2x PS/2 serial interface 4x USB 3.0 on rear panel, 2x USB 2.0 on front panel, 2x USB 2.0 internal and 2x pin header USB 2x PS/2 serial interface 1x DisplayPort, 1x VGA Industrial Ethernet interface 4x US	Main memory	8 GB (pre-installed), support up to 32 GB
Slots • free slots • free slots • Number of PCI slots • Number of PCI slots • Number of PCI slots 4 Interfaces 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 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 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 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 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 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 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 3x 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 3x PCI (x4) (4 or 2 lanes), 2x PCIe (x4) (1 lane) 4	Capacity of main memory, max.	8 Gbyte
free slots Number of PCI slots Number of PCI slots Number of PCI slots Number of PCI slots Number of industrial Ethernet interfaces 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 Audio In/Out Audio In/Out Audio In/Out Audio In/Out Audio In/Out Audio Inferface Craphics interface Ix DisplayPort, 1x VGA Industrial Ethernet Industrial Ethernet interface	Hardware configuration	
Number of PCI slots Number of PCI slots Number of industrial Ethernet interfaces 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 2x PS/2 serial interface Audio In/Out Audio In/Out Microphone In Video interfaces Graphics interface 1x DisplayPort, 1x VGA Industrial Ethernet Industrial Ethernet Industrial Ethernet interface — 100 Mbps — 1000 Mbps — 10	Slots	
Number of PCI slots 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 Video interfaces Graphics interface 1x DisplayPort, 1x VGA Industrial Ethernet Industrial Ethernet interface — 100 Mbps — 1000 Mbps — 1000 Mbps Yes Integrated Functions	• free slots	3x PCI, 1x PCIe (x16), 1xPCIe (x4) (4 or 2 lanes), 2x PCIe (x4) (1 lane)
Interfaces Number of industrial Ethernet interfaces 2 Number of PROFINET interfaces 2 USB port 2 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 Graphics interface 1x DisplayPort, 1x VGA Industrial Ethernet Industrial Ethernet interface — 100 Mbps — 1000 Mbps — 1000 Mbps Yes Integrated Functions	 Number of PCI slots 	3
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 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 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 4x USB 3.0 on rear panel, 2x USB 2.0 on front panel, 2x USB 2.0 internal and 2x pin header USB 2x COM ports (RS 232, RS 422, RS 485) and 2x COM pin header Yes Video interfaces 4x USB 3.0 on rear panel, 2x USB 2.0 on front panel, 2x USB 2.0 internal and 2x pin header USB 2x COM ports (RS 232, RS 422, RS 485) and 2x COM pin header Yes Video interfaces 4x USB 3.0 on rear panel, 2x USB 2.0 on front panel, 2x USB 2.0 internal and 2x pin header USB Yes Video interface 1x DisplayPort, 1x VGA Industrial Ethernet 4x USB 3.0 on rear panel, 2x USB 2.0 on front panel, 2x USB 2.0 internal and 2x pin header USB 2x COM ports (RS 232, RS 422, RS 485) and 2x COM pin header Yes Video interfaces 1x DisplayPort, 1x VGA Industrial Ethernet 1x DisplayPort, 1x VGA Industrial Ethernet interface 1x DisplayPort, 1x VGA Industrial Ethernet interface 1x DisplayPort, 1x VGA	 Number of PCI slots 	4
Number of PROFINET 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 Audio In/Out Microphone In Yes Video interfaces Graphics interface 1x DisplayPort, 1x VGA Industrial Ethernet Industrial Ethernet interface - 100 Mbps - 1000 Mbps Yes Integrated Functions	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 Audio In/Out Yes Microphone In Yes Video interfaces Graphics interface 1x DisplayPort, 1x VGA Industrial Ethernet Industrial Ethernet interface — 100 Mbps — 1000 Mbps — Yes Integrated Functions	Number of industrial Ethernet interfaces	2
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 • Graphics interface 1x DisplayPort, 1x VGA Industrial Ethernet • Industrial Ethernet interface — 100 Mbps — 1000 Mbps Yes Integrated Functions	Number of PROFINET interfaces	2
serial interface Multimedia Audio In/Out Microphone In Video interfaces Graphics interface Industrial Ethernet Industrial Ethernet interface — 100 Mbps — 1000 Mbps — 1000 Mbps Integrated Functions	USB port	
Multimedia • Audio In/Out • Microphone In Yes Video interfaces • Graphics interface • Industrial Ethernet • Industrial Ethernet interface — 100 Mbps — 1000 Mbps — Yes Integrated Functions	Connection for keyboard/mouse	2x PS/2
Audio In/Out Microphone In Yes Video interfaces Graphics interface Industrial Ethernet Industrial Ethernet interface — 100 Mbps — 1000 Mbps — 1000 Mbps Yes Integrated Functions	serial interface	2x COM ports (RS 232, RS 422, RS 485) and 2x COM pin header
Microphone In Video interfaces Graphics interface	Multimedia	
Video interfaces • Graphics interface 1x DisplayPort, 1x VGA Industrial Ethernet • Industrial Ethernet interface — 100 Mbps Yes — 1000 Mbps Yes Integrated Functions	 Audio In/Out 	Yes
Graphics interface Industrial Ethernet Industrial Ethernet interface — 100 Mbps — 1000 Mbps — Yes — 1000 Mbps Yes Integrated Functions	Microphone In	Yes
Industrial Ethernet ● Industrial Ethernet interface — 100 Mbps Yes — 1000 Mbps Yes Integrated Functions	Video interfaces	
● Industrial Ethernet interface — 100 Mbps Yes — 1000 Mbps Yes Integrated Functions	Graphics interface	1x DisplayPort, 1x VGA
- 100 Mbps Yes - 1000 Mbps Yes Integrated Functions	Industrial Ethernet	
— 1000 Mbps Yes Integrated Functions	 Industrial Ethernet interface 	
Integrated Functions	— 100 Mbps	Yes
	— 1000 Mbps	Yes
Monitoring functions	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 field	s
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

9/17/2021

last modified: