SIEMENS

Data sheet   **6AG4012-2CA20-0BX0**

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

Figure similar

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 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.	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	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	

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● 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
● 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	
● 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

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