

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; Windows 10 IoT Enterprise for Pentium/i3/i5; 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	
<ul style="list-style-type: none"> <li>Rated value 50 Hz</li> <li>Rated value 60 Hz</li> </ul>	<ul style="list-style-type: none"> <li>Yes</li> <li>Yes</li> </ul>
Processor	
Processor type	Intel Pentium G4400
Chipset	Intel H110
Drives	
Hard disk	1 TB HDD
Memory	
Main memory	4 GB (pre-installed), support up to 32 GB
Capacity of main memory, max.	4 Gbyte
Hardware configuration	
Slots	
<ul style="list-style-type: none"> <li>free slots</li> <li>Number of PCI slots</li> <li>Number of PCI slots</li> </ul>	<ul style="list-style-type: none"> <li>3x PCI, 1x PCIe (x16), 1xPCIe (x4) (4 or 2 lanes), 2x PCIe (x4) (1 lane)</li> <li>3</li> <li>4</li> </ul>
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	
<ul style="list-style-type: none"> <li>Audio In/Out</li> <li>Microphone In</li> </ul>	<ul style="list-style-type: none"> <li>Yes</li> <li>Yes</li> </ul>
Video interfaces	
<ul style="list-style-type: none"> <li>Graphics interface</li> </ul>	1x DisplayPort, 1x VGA
Industrial Ethernet	
<ul style="list-style-type: none"> <li>Industrial Ethernet interface                             <ul style="list-style-type: none"> <li>100 Mbps</li> <li>1000 Mbps</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Yes</li> <li>Yes</li> </ul>
Integrated Functions	
Monitoring functions	

• Status LEDs	POWER, HDD
<b>EMC</b>	
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
<b>Degree and class of protection</b>	
IP degree of protection	IP20
IP (rear)	IP20
<b>Ambient conditions</b>	
Ambient temperature during operation	
• min.	5 °C
• max.	40 °C
<b>Operating systems</b>	
pre-installed operating system	Windows 10 IoT Enterprise 2019 LTSC, 64 bit, MUI
<b>Dimensions</b>	
Width	430 mm
Height	176 mm
Depth	465.8 mm

**last modified:** 9/17/2021 