

SIMATIC IPC347E (Rack PC, 19", 4HU); Pentium Dual Core 3420 (2C/2T, 3.2 GHz, 3 MB cache); Interfaces: 2x Gbit Ethernet, 1x DVI-D, 1x VGA, 2x USB on the front, 4x USB on the rear, 1x USB internal, 2x serial, 2x PS/2, audio; 1x 500 GB HDD, internal; 2 GB DDR3 SD-RAM (1x 2 GB), single channel; without operating system; 100/240 V industrial power supply, without line cable



Installation type/mounting	
Mounting	For horizontal rack mounting
Design	Rack PC, 19", 4U
Supply voltage	
Type of supply voltage	100 - 240 V AC
Line frequency	
<ul style="list-style-type: none"> Rated value 50 Hz 	Yes
<ul style="list-style-type: none"> Rated value 60 Hz 	Yes
Processor	
Processor type	Pentium Dual Core G3420 (2C/2T, 3.2 GHz, 3 MB Cache)
Drives	
Hard disk	500 GB HDD
Memory	
Type of memory	DDR3-SDRAM
Main memory	2 GB (pre-installed), support up to 16 GB
Capacity of main memory, max.	2 Gbyte
Hardware configuration	
Slots	
<ul style="list-style-type: none"> free slots 	4x PCI, 1x PCIe (x1), 1x PCIe (x8) (2 Lanes), 1x PCIe (x16) (16 Lanes)
<ul style="list-style-type: none"> Number of PCI slots 	4
Interfaces	
Interfaces/bus type	2x Gbit Ethernet (RJ45), 1x DVI-D, 1x VGA, 4x USB 2.0 on rear, 2x USB 2.0 on front, 2x COM, 2x PS/2, Audio (Line In, Line Out, Micro)
Number of industrial Ethernet interfaces	2
Number of PROFINET interfaces	0
USB port	2x USB 3.0 rear, 2x USB 2.0 rear, 2x USB 2.0 front, 1x USB 2.0 internal
Connection for keyboard/mouse	2x PS/2
serial interface	2x COM ports (RS 232, RS 422, RS 485)
Multimedia	
<ul style="list-style-type: none"> Audio In/Out 	Yes
<ul style="list-style-type: none"> Microphone In 	Yes
Video interfaces	
<ul style="list-style-type: none"> Graphics interface 	1x VGA; 1x DVI-D
Industrial Ethernet	
<ul style="list-style-type: none"> Industrial Ethernet interface 	2x Ethernet (RJ45)
<ul style="list-style-type: none"> — 100 Mbps 	Yes
<ul style="list-style-type: none"> — 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 electromagnetic fields	
• Interference immunity against high frequency radiation	10 V/m for 80 - 1 000 MHz, 80% AM acc. to IEC 61000-4-3; 3 V/m for 1.4 - 2 GHz, 80% AM acc. to IEC 61000-4-3; 1 V/m for 2 - 2.7 GHz, 80% AM acc. to IEC 61000-4-3; 10 V for 150 kHz - 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; ±2 kV acc. to IEC 61000-4-5, surge
• 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
Interference immunity to magnetic fields	
• Interference immunity to magnetic fields at 50 Hz	30 A/m; to IEC 61000-4-8
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
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
cULus	Yes
KC approval	Yes
FCC	Yes
EMC	CE, IEC 61000-6-4:2011, IEC 61000-6-2:2005
Ambient conditions	
Ambient temperature during operation	
• Ambient temperature during operation	+5 °C to +40 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
• Relative humidity	Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5% to 80% at 25 °C (no condensation), Storage: 5% to 95% at 25 °C (no condensation)
Operating systems	
pre-installed operating system	No
without operating system	Yes
Mechanics/material	
Enclosure material (front)	
• Aluminum	Yes
Dimensions	
Width	430 mm
Height	177 mm
Depth	463 mm
last modified:	1/16/2021 