

SIMATIC IPC347E (Rack PC, 19", 4HU); Core I5-4570S (4C/4T, 2.9 (3.6) GHz, 6 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; 4 GB DDR3 SDRAM (1x 4 GB), single channel; DVD +/-RW; 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
Rack mounting	Yes
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 i5-4570S (4C/4T, 2.9 (3.6) GHz, 6 MB Cache)
Drives	
Hard disk	500 GB HDD
Memory	
Type of memory	DDR3-SDRAM
Main memory	4 GB (pre-installed), support up to 16 GB
Capacity of main memory, max.	4 Gbyte
Hardware configuration	
Slots	
• free slots	4x PCI, 1x PCIe (x1), 1x PCI (x8), 1x PCIe (x16)
Interfaces	
Interfaces/bus type	2x Gbit Ethernet (RJ45)
Number of industrial Ethernet interfaces	2
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)
Industrial Ethernet	
• Industrial Ethernet interface	2 x Ethernet (RJ45)
— 100 Mbps	Yes

— 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 - 1000 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
- Interference immunity on signal cables >30m
- Interference immunity on signal cables < 30m

±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
±2 kV acc. to IEC 61000-4-4, burst; length > 30 m; ±2 kV acc. to IEC 61000-4-5, surge; length > 30 m
±1 kV acc. to IEC 61000-4-4, Burst

Interference immunity against voltage surge

- asymmetric interference
- symmetric interference

±2 kV acc. to IEC 61000-4-5, surge asymmetric
±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

Degree and class of protection

IP (at the front)

IP20

IP (rear)

IP20

Standards, approvals, certificates

CE mark

Yes

UL approval

Yes

cULus

Yes

KC approval

Yes

FCC

Yes

EMC

CE, EN 61000-6-4:2007 +A1:2011, EN 61000-6-2:2005

Ambient conditions

Ambient temperature during operation	
• Ambient temperature during operation	+5 °C to +40 °C
• min.	5 °C
• max.	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	
without operating system	Yes

Mechanics/material	
Enclosure material (front)	
• Aluminum	Yes

Dimensions	
Width	430 mm
Height	177 mm
Depth	463 mm
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