

SIMATIC IPC1047E (rack PC, 19", 4 U); 2x Gbit Ethernet, IPMI, RJ45; 1x VGA, 1x COM 1, 2x USB 3.0, 2x USB on the rear side; 2x USB 3.0 front; temperature and fan monitoring; SW RAID onboard; 2x Intel Xeon SP Silver 4210 10C/ 20T - 2.2 GHz/ 3.2 GHz; 1x SSD 1 TB M.2 NVMe; 64 GB 2933 MHz DDR4; without graphics card (VGA onboard); without plug-in cards; without operating system; 860 W power supply unit without power supply cord; holder for 4x 3.5" SSD/HDD or 8x 2.5" SSD/HDD, internal

Installation type/mounting	
Mounting	For horizontal rack mounting
Design	Rack PC, 19", 4U
Supply voltage	
Type of supply voltage	110/230V AC (autorange) 50/60 Hz
Line frequency	
<ul style="list-style-type: none"> Rated value 50 Hz Rated value 60 Hz 	Yes Yes
Mains buffering	
<ul style="list-style-type: none"> Mains/voltage failure stored energy time 	20 ms
Graphic	
Graphics controller	Onboard VGA / 2D controller 1 920 × 1 200 @ 60 Hz 32 bpp
Drives	
SSD	Yes
Memory	
Type of memory	DDR4-SDRAM DIMM
Capacity of main memory, max.	2 Tbyte
Hardware configuration	
Slots	
<ul style="list-style-type: none"> Number of PCI slots Number of PCI slots Number of compact flash slots 	0 6 0
Interfaces	
Connection for keyboard/mouse	USB
serial interface	1x COM
Multimedia	
<ul style="list-style-type: none"> Audio In/Out Microphone In 	No No
Industrial Ethernet	
<ul style="list-style-type: none"> Industrial Ethernet interface <ul style="list-style-type: none"> 100 Mbps 1000 Mbps 	2x Ethernet (RJ45) Yes Yes
Integrated Functions	
Monitoring functions	
<ul style="list-style-type: none"> Temperature monitoring Status LEDs Fan Monitoring function via network 	Yes POWER, HDD, FAN Fail Yes Yes (per IPMI)
EMC	
Interference immunity against discharge of static electricity	
<ul style="list-style-type: none"> 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
Degree and class of protection	
IP (at the front)	IP30
IP (rear)	IP20
Standards, approvals, certificates	
CE mark	Yes

CSA approval	Yes
UL approval	Yes
cULus	Yes
KC approval	No
FCC	Yes
Dust protection	With front door closed: G2 EN 779, 99% of particles > 0.5 mm are filtered
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C; Max. 10 °C/h (no condensation)
• max.	50 °C
Ambient temperature during storage/transportation	
• min.	-20 °C; Max. 20 °C/h (no condensation)
• max.	60 °C
Relative humidity	
• Operation, max.	80 %
Operating systems	
Additional info on operating system	Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)
without operating system	Yes
pre-installed operating system	
• Windows XP Professional	No
• Windows 7	No
• Windows 8	No
• Windows 10	No
• Windows 10 Enterprise	Yes
Dimensions	
Width	430 mm
Height	176.6 mm; 4U
Depth	572 mm

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