

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 4216 16C/ 32T - 2.1 GHz/ 3.2 GHz; 1x SSD 1 TB M.2 NVMe and 1x HDD 4 TB 3.5" SATA; 64 GB 2933 MHz DDR4; without graphics card (VGA onboard); without plug-in cards; Windows Server 2019, for Xeon Silver 4216 (32C); 860 W power supply unit with power supply cord China; holder for 4x 3.5" SSD/HDD or 8x 2.5" SSD/HDD, internal

General information	
Product type designation	IPC1047E
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 	<ul style="list-style-type: none"> Yes Yes
Mains buffering	
<ul style="list-style-type: none"> Mains/voltage failure stored energy time 	20 ms
Processor	
Processor type	2x Intel Xeon SP Silver 4210 10C/20T - 2.2 GHz/ 3.2 GHz; 2x Intel Xeon SP Silver 4216 16C/32T - 2.1 GHz/ 3.2 GHz; 2x Intel Xeon SP Gold 6226 12C/24T - 2.7 GHz/ 3.7 GHz; 2x Intel Xeon SP Gold 6230 20C/40T - 2.1 GHz/ 3.9 GHz
Chipset	Intel C621
Graphic	
Graphics controller	Onboard VGA / 2D controller 1 920 × 1 200 @ 60 Hz 32 bpp
Graphics card	Yes
Drives	
Hard disk	4 TB & 8 TB 3.5" SATA
SSD	Yes
Memory	
Main memory	64 ... 512 GB
Capacity of main memory, max.	2 Tbyte
Hardware configuration	
Slots	
<ul style="list-style-type: none"> Number of PCI slots Number of PCI slots 	<ul style="list-style-type: none"> 0 6
Interfaces	
Interfaces/bus type	2x 1 GB LAN (RJ45), COM1, IPMI, VGA
USB port	2x front, 2x rear USB 3.0, 2x rear USB 2.0
Connection for keyboard/mouse	USB
Multimedia	
<ul style="list-style-type: none"> Audio In/Out Microphone In 	<ul style="list-style-type: none"> No No
Video interfaces	
<ul style="list-style-type: none"> Graphics interface 	VGA, with optional graphics card 3x or 4x DP1.4
Industrial Ethernet	
<ul style="list-style-type: none"> Industrial Ethernet interface <ul style="list-style-type: none"> 100 Mbps 1000 Mbps number of interfaces (1 000 Mbps) 	<ul style="list-style-type: none"> 2x Ethernet (RJ45) No Yes 2
Integrated Functions	
Monitoring functions	

- Temperature monitoring Yes
- Fan Yes
- Monitoring function via network Yes (per IPMI)

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

Degree and class of protection

IP (at the front) IP30

IP (rear) IP20

Standards, approvals, certificates

CE mark Yes; Industry

CSA approval Yes; CAN/CSA-C22.2 No. 61010-2-201 Third Edition

UL approval Yes; UL 61010-2-201 Third Edition, File E115352 (I.T.E.)

cULus Yes; UL 61010-2-201 Third Edition; CAN/CSA-C22.2 No. 61010-2-201 Third Edition

KC approval Yes

FCC Yes

EMC EN 61000-6-3; EN 61000-6-4, CAN/CSA CISPR 32 Class B, EN 55032 Class B; FCC Class A; KN32 Class B, EN 61000-3-2 Class D; EN 61000-3-3

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; Basic configuration (without graphics card)

Ambient temperature during storage/transportation

- min. -20 °C; Max. 20 °C/h (no condensation)
- max. 60 °C

Relative humidity

- Relative humidity permissible range for 0 to 31 °C: 5 ... 80 %; no condensation

Vibrations

- Vibration resistance during operation acc. to IEC 60068-2-6 10 - 58 Hz: amplitude 0.0375 mm; 58 ... 200 Hz: acceleration 2 m/s²

Shock testing

- Shock load during operation half-sine: acceleration 50 m/s², duration 30 ms

Operating systems

without operating system Yes

pre-installed operating system

- Windows 10 Enterprise Yes

Dimensions

Width 430 mm

Height 176.6 mm; 4U

Depth 572 mm

Approvals / Certificates

General Product Approval



[China RoHS](#)

Dangerous goods

Environment

[Dangerous goods information](#)

[Test Summary Report UN 38.3](#)



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