

SIMATIC IPC627E (Box PC), UHD graphic onboard; DP/DVI-D; 3x Gbit Ethernet (IE/PN); 6x USB 3.1 Gen.2; 1x serial (COM 1); RAID controller onboard; watchdog; temperature and fan monitoring; device without CMOS battery (CR2450N); Core i7-8700 (6C/12T, 3.2(4.6) GHz, 12 MB cache, VT-d, AMT); NVRAM; M.2 SSD NVMe 512 GB; SSD 2.5" SATA 960 GB internal; 64 GB DDR4-2666 (4x16); 110/230 V AC industrial power supply unit with NAMUR; Power supply cable China; Without operating system; without expansion (software); 2x PCIe (x16, x4)

General information	
Product type designation	IPC627E
Installation type/mounting	
Mounting	Wall mounting, portrait mounting
Design	Box PC, built-in unit
Supply voltage	
Type of supply voltage	100/240 V AC (autorange); 24 V DC
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	Celeron G4900 (2C/2T, 3.1 GHz, 2 MB cache; VT-d); Core i3-8100 (4C/4T, 3.6 GHz, 6 MB cache, VT-d); Core i7-8700 (6C/12T, 3.2 (4.6) GHz, 12 MB cache, VT-d, AMT)
Chipset	Intel C246
Graphic	
Graphics controller	Intel UHD Graphics 630 (Core i); Intel UHD Graphics 610 (Celeron)
Drives	
Hard disk	2.5" SATA ≥ 320 GB
SSD	Yes; SSD M.2 NVMe 512 GB; SSD 2.5" SATA 480 / 960 GB; RAID1 2x SSD 2.5" SATA 480 / 960 GB in removable drive bay
Memory	
Type of memory	DDR4-2666 DIMM
Main memory	4 / 8 / 16 / 32 / 64 GB
Capacity of main memory, max.	64 Gbyte
Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags), max.	512 kbyte; 128 KB can be stored in the buffer time
Hardware configuration	
Slots	
<ul style="list-style-type: none"> Number of PCI slots Number of PCI slots 	<ul style="list-style-type: none"> 3; Optional 5; Optional
Interfaces	
Number of industrial Ethernet interfaces	3; 3x Ethernet (RJ45)
serial interface	1x COM
Video interfaces	
<ul style="list-style-type: none"> Graphics interface 	2x DisplayPort; 1x DVI-D
Industrial Ethernet	
<ul style="list-style-type: none"> Industrial Ethernet interface <ul style="list-style-type: none"> — 100 Mbps — 1000 Mbps 	<ul style="list-style-type: none"> Yes Yes
Interrupts/diagnostics/status information	
LED status display	1x power, 3x user
Integrated Functions	
Monitoring functions	

<ul style="list-style-type: none"> • Temperature monitoring • Fan • Monitoring function via network 	<p>Yes</p> <p>Yes</p> <p>Optional</p>
Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
cULus	Yes; UL 61010-2-201 Second Edition; CAN/CSA-C22.2 No. 61010-2-201 Second Edition
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
FCC	Yes
BSMI	Yes
Use in hazardous areas	
<ul style="list-style-type: none"> • cULus Class I Zone 2, Division 2 	Yes; Optional
Marine approval	
<ul style="list-style-type: none"> • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Korean Register of Shipping (KRS) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (Class NK) • Chinese Classification Society (CCS) 	<p>Yes; Only with SSD</p> <p>Yes; Only with SSD</p> <p>Yes; Only with SSD</p> <p>Yes; Only with SSD</p> <p>Yes; Only with SSD</p> <p>Yes; Only with SSD</p> <p>Yes; Only with SSD</p>
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> • min. • max. 	<p>5 °C</p> <p>55 °C</p>
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> • min. • max. 	<p>-20 °C</p> <p>60 °C</p>
Vibrations	
<ul style="list-style-type: none"> • Vibration resistance during operation acc. to IEC 60068-2-6 	tested according to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to 500 Hz 9.8 m/s ² (1 g)
Operating systems	
pre-installed operating system	Windows 10 Enterprise 2016 LTSP or 2019 LTSC or 2021 LTSC 64 bit, MUI
without operating system	Yes; Optional
pre-installed operating system	
<ul style="list-style-type: none"> • Windows 10 Enterprise 	Yes; Windows 10 Enterprise 2016 LTSP or 2019 LTSC or 2021 LTSC 64 bit, MUI
Dimensions	
Width	314 mm
Height	93 mm; For variant 5x PCI(e): 155 mm
Depth	301 mm; incl. mounting rail
Approvals / Certificates	
General Product Approval	



[Manufacturer Declaration](#)

[Miscellaneous](#)



General Product Approval

[inspection certificate](#)



[China RoHS](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)

[CCS \(China Classification Society\)](#)

Maritime application

other

Dangerous goods

Environment

[KR \(Korean Register of Shipping\)](#)



[Dangerous goods information](#)

[Environmental Confirmations](#)

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