

SIMATIC IPC527G (Box PC); 2x Gigabit Ethernet (IE/PN); 1x display port, 1x VGA; 4x USB3.0; 2x RS232/485/422 (can be selected); 100/240 V AC power supply Core i7-6700 (4C/4T, 3.4 (4.0) GHz, 8 MB cache) 1 TB HDD 4 GB DDR4 Without operating system; 1 x PCIe x16 1 x PCIe x1; 2 x PCI 2 x RS232; 2 x USB2.0 additionally

Installation type/mounting	
Mounting	Wall mounting, portrait mounting, desktop mounting
Design	Box PC, built-in unit
Supply voltage	
Type of supply voltage	100/240V AC (autorange) 50/60 Hz
Line frequency	<ul style="list-style-type: none"> <li>Rated value 50 Hz Yes</li> <li>Rated value 60 Hz Yes</li> </ul>
Processor	
Processor type	Core i7-6700 (4C/8T, 3.4 (4.0) GHz, 8 MB cache); Core i5-6500 (4C/4T, 3.2 (3.6) GHz, 6 MB cache); Pentium G4400 (2C/2T, 3.3 GHz, 3 MB cache)
Chipset	Intel H110
Graphic	
Graphics controller	Onboard Intel HD graphics 530/510 integrated in processor
Drives	
Hard disk	1 TB HDD
SSD	Yes; Optional
Memory	
Type of memory	DDR4-2133 SO-DIMM
Main memory	4 / 8 / 16 GB, supports up to 32 GB
Capacity of main memory, max.	32 Gbyte
Hardware configuration	
Slots	<ul style="list-style-type: none"> <li>free slots 1x PCIe (x16), optional 1x PCIe (x1), 2x PCI additionally</li> <li>Number of PCI slots 2; Optional</li> <li>Number of PCI slots 2; Optional</li> </ul>
Interfaces	
Number of industrial Ethernet interfaces	3; 3x Gigabit Ethernet (IE/PN), RJ45 optional; 2x Gigabit Ethernet (IE/PN), RJ45 basic configuration
Number of PROFINET interfaces	3; 2 ports base configuration, 3 ports optional
USB port	4x USB 3.0, 1x USB 2.0 internal, 2x USB 2.0 optional
Connection for keyboard/mouse	USB / USB
Multimedia	<ul style="list-style-type: none"> <li>Audio In/Out Yes</li> <li>Microphone In Yes</li> </ul>
Video interfaces	<ul style="list-style-type: none"> <li>Graphics interface 1x DisplayPort, 1x VGA</li> </ul>
Industrial Ethernet	<ul style="list-style-type: none"> <li>Industrial Ethernet interface 2x Ethernet (RJ45), 1x Ethernet (RJ45) additional option <ul style="list-style-type: none"> <li>100 Mbps Yes</li> <li>1000 Mbps Yes</li> </ul> </li> </ul>
EMC	
Interference immunity against discharge of static electricity	<ul style="list-style-type: none"> <li>Interference immunity against discharge of static electricity ±6 kV contact discharge acc. to IEC 61000-4-2; ±8 kV air discharge acc. to IEC 61000-4-2</li> </ul>
Degree and class of protection	
IP (at the front)	IP20
IP (rear)	IP20

Standards, approvals, certificates			
CE mark	Yes		
CSA approval	Yes; No. 61010-1-12, No. 61010-2-201		
UL approval	Yes		
cULus	Yes; UL 61010-1, UL 61010-2-201		
RCM (formerly C-TICK)	Yes		
KC approval	Yes		
EAC (formerly Gost-R)	Yes		
FCC	Yes		
Ambient conditions			
Ambient temperature during operation			
• min.	0 °C		
• max.	45 °C		
Ambient temperature during storage/transportation			
• min.	-20 °C		
• max.	60 °C		
Relative humidity			
• Relative humidity	8 ... 85 % at 30 °C, no condensation		
Vibrations			
• Vibration resistance during operation acc. to IEC 60068-2-6	Tested according to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.0375 mm, 58 Hz to 200 Hz: 4.9 m/s <sup>2</sup>		
Shock testing			
• Shock load during operation	Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s <sup>2</sup> , 11 ms; with HDD: 9.8 m/s <sup>2</sup> , 20 ms		
Operating systems			
pre-installed operating system	Windows 7 Ultimate (Multi-Language) 32-bit / 64-bit; Windows 10 Enterprise 2016 LTSC		
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 7	Yes; Ultimate 32 bit or 64 bit		
• Windows 10	Yes; Windows 10 Enterprise 2016 LTSC, 64 bit, MUI		
Dimensions			
Width	260 mm		
Height	135 mm		
Depth	225 mm		
Classifications			
		<b>Version</b>	<b>Classification</b>
	eClass	14	19-20-01-02
	eClass	12	19-20-01-02
	eClass	9.1	19-20-01-02
	eClass	9	19-20-01-02
	eClass	8	19-20-01-02
	eClass	7.1	19-20-01-02
	eClass	6	19-20-01-02
	ETIM	10	EC001413
	ETIM	9	EC001413
	ETIM	8	EC001413
	ETIM	7	EC001413

Approvals / Certificates	
General Product Approval	Dangerous goods

[Manufacturer Declaration](#)



[Dangerous goods information](#)

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[Test Summary Report](#)  
[UN 38.3](#)

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