



SIMATIC IPC527G (Box PC), Core i7-6700 (4C/8T, 3.4 (4.0) GHz); 512 GB SSD, internal; 8 GB DDR4; Windows 10 Enterprise 2016 LTSC 2x Gigabit Ethernet (IE/PN); 1x DisplayPort, 1x VGA; 4x USB3.0, 2x USB2.0; 2x RS232/485/422 (switchable); 2x RS232, 1x 8bit DIO, 2x PCI; 1x PCIe x16, 1x PCIe x1; 100/240V AC power supply without line cable

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</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Rated value 60 Hz</li> </ul>	Yes
Processor	
Processor type	Core i7-6700 (4C/4T, 3.6 (4.0) GHz, 8 MB Cache)
Chipset	Intel H110
Graphic	
Graphics controller	Onboard Intel HD graphics 530/510 integrated in processor
Drives	
Hard disk	1 TB HDD
Memory	
Type of memory	DDR4-2666 SO-DIMM
Main memory	8 GB RAM
Capacity of main memory, max.	32 Gbyte
Hardware configuration	
Slots	
<ul style="list-style-type: none"> <li>free slots</li> </ul>	1x PCIe (x16), 1x PCIe (x1), 2x PCI
<ul style="list-style-type: none"> <li>Number of PCI slots</li> </ul>	2
<ul style="list-style-type: none"> <li>Number of PCI slots</li> </ul>	2
Interfaces	
Number of industrial Ethernet interfaces	2; 2x Gigabit Ethernet (IE/PN), RJ45
Number of PROFINET interfaces	2
USB port	4x USB 3.0, 1x USB 2.0 internal, 2x USB 2.0 optional
Connection for keyboard/mouse	USB / USB
serial interface	2x RS 232 / 485 / 422, 2x RS 232
Multimedia	
<ul style="list-style-type: none"> <li>Audio In/Out</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Microphone In</li> </ul>	Yes
Video interfaces	
<ul style="list-style-type: none"> <li>Graphics interface</li> </ul>	1x DisplayPort, 1x VGA
Industrial Ethernet	
<ul style="list-style-type: none"> <li>Industrial Ethernet interface</li> </ul>	2x Ethernet (RJ45), 1x Ethernet (RJ45) additional option
<ul style="list-style-type: none"> <li>— 100 Mbps</li> </ul>	Yes

— 1000 Mbps	Yes
<b>Integrated Functions</b>	
Monitoring functions	
• Status LEDs	POWER, HDD
<b>EMC</b>	
Interference immunity against discharge of static electricity	
• 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
<b>Degree and class of protection</b>	
IP degree of protection	IP20
IP (at the front)	IP20
IP (rear)	IP20
<b>Standards, approvals, certificates</b>	
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
<b>Ambient conditions</b>	
Ambient temperature during operation	
• Ambient temperature during operation	0 to +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 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
<b>Operating systems</b>	
pre-installed operating system	Windows 10 Enterprise 2016 LTSP, 64 bit, MUI
Additional info on operating system	Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)
pre-installed operating system	
• Windows 10 Enterprise	Yes; Windows 10 IoT Enterprise 2016 LTSP, 64bit, MUI
<b>Dimensions</b>	
Width	260 mm
Height	135 mm
Depth	225 mm
<b>last modified:</b>	7/28/2021 