



SIMATIC IPC527G (Box PC); Core i5-6500 (4C/4T, 3.2 (3.6) GHz); 1 TB HDD, internal; 8 GB DDR4; without operating system; 2x Gigabit Ethernet (IE/PN); 1x DisplayPort, 1x VGA; 4x USB 3.0, 2x USB 2.0; 2x RS232/485/422 (can be selected); 2x RS232, 1x 8 bit DIO, 2x PCI; 1x PCIe x16, 1x PCIe x1; 100/240 V AC power supply without line cable

General information	
Product type designation	IPC527G
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> <li>Rated value 60 Hz</li> </ul>	Yes Yes
Processor	
Processor type	Core i5-6500 (4C/4T, 3.2 (3.6) GHz, 6 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> <li>Number of PCI slots</li> <li>Number of PCI slots</li> </ul>	1x PCIe (x16), 1x PCIe (x1), 2x PCI 2 2
Interfaces	
Number of industrial Ethernet interfaces	2; 2x Gigabit Ethernet (IE/PN), RJ45
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> <li>Microphone In</li> </ul>	Yes 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 <ul style="list-style-type: none"> <li>— 100 Mbps</li> <li>— 1000 Mbps</li> </ul> </li> </ul>	2x Ethernet (RJ45) Yes Yes
<b>Integrated Functions</b>	
Monitoring functions	
<ul style="list-style-type: none"> <li>Status LEDs</li> </ul>	POWER, HDD
<b>EMC</b>	
Interference immunity against discharge of static electricity	
<ul style="list-style-type: none"> <li>Interference immunity against discharge of static electricity</li> </ul>	±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	
<ul style="list-style-type: none"> <li>Ambient temperature during operation</li> </ul>	0 to +40 °C
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> <li>min.</li> <li>max.</li> </ul>	-20 °C 60 °C
Relative humidity	
<ul style="list-style-type: none"> <li>Relative humidity</li> </ul>	8 ... 85 % at 30 °C, no condensation
Vibrations	
<ul style="list-style-type: none"> <li>Vibration resistance during operation acc. to IEC 60068-2-6</li> </ul>	IEC 60068-2-6; 10 Hz to 58 Hz 0.015 mm; 58 Hz to 200Hz 1.96 m/s <sup>2</sup>
Shock testing	
<ul style="list-style-type: none"> <li>Shock load during operation</li> </ul>	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	No
without operating system	Yes
<b>Dimensions</b>	
Width	260 mm
Height	135 mm
Depth	225 mm
<b>last modified:</b>	5/31/2021 