



SIMATIC IPC527G (Box PC); Core i5-6500 (4C/4T, 3.2 (3.6) GHz); 256 GB SSD, internal; 8 GB DDR4; Windows 10 Enterprise 2016 LTSC 2x Gigabit Ethernet (IE/PN); 1x display port, 1x VGA; 4x USB 3.0, 2x USB 2.0; 2x RS232/485/422 (can be selected); 2x RS232, 1x 8bit DIO, 2x PCI; 1x PCIe x16, 1x PCIe x1; 100/240 V 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	
• Rated value 50 Hz	Yes
• Rated value 60 Hz	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	
• free slots	1x PCIe (x16), 1x PCIe (x1), 2x PCI
• Number of PCI slots	2
• Number of PCI slots	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	
• Audio In/Out	Yes
• Microphone In	Yes
Video interfaces	
• Graphics interface	1x DisplayPort, 1x VGA
Industrial Ethernet	
• Industrial Ethernet interface	2x Ethernet (RJ45), 1x Ethernet (RJ45) additional option
— 100 Mbps	Yes

— 1000 Mbps	Yes
Integrated Functions	
Monitoring functions	
• Status LEDs	POWER, HDD
EMC	
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
Degree and class of protection	
IP degree of protection	IP20
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	
• 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 ²
Shock testing	
• Shock load during operation	Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s ² , 11 ms; with HDD: 9.8 m/s ² , 20 ms
Operating systems	
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 Enterprise 2016 LTSP, 64 bit, MUI
Dimensions	
Width	260 mm
Height	135 mm
Depth	225 mm
last modified:	7/28/2021 