

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 16 GB DDR4
 Windows 10 Enterprise 2016 LTSB MUI (de,en,fr,es,it), 64 bit For Core i7; 1 x PCIe x16 1 x PCIe x1; 2 x PCI 1 x Gbit LAN (1 PCIe slot occupied); and 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"> Rated value 50 Hz Rated value 60 Hz
Yes	Yes
Yes	Yes
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"> free slots Number of PCI slots Number of PCI slots
1x PCIe (x16), optional 1x PCIe (x1), 2x PCI additionally	
2; Optional	
2; Optional	
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"> Audio In/Out Microphone In
Yes	Yes
Yes	Yes
Video interfaces	<ul style="list-style-type: none"> Graphics interface
1x DisplayPort, 1x VGA	
Industrial Ethernet	<ul style="list-style-type: none"> Industrial Ethernet interface — 100 Mbps — 1000 Mbps
2x Ethernet (RJ45), 1x Ethernet (RJ45) additional option	
Yes	
Yes	
EMC	
Interference immunity against discharge of static electricity	<ul style="list-style-type: none"> 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 (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 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 7 Ultimate (Multi-Language) 32-bit / 64-bit; Windows 10 Enterprise 2016 LTSB
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 LTSB, 64 bit, MUI

Dimensions	
Width	260 mm
Height	135 mm
Depth	225 mm

Classifications			
		Version	Classification
	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	9	EC001413
	ETIM	8	EC001413
	ETIM	7	EC001413

Approvals / Certificates	
General Product Approval	Functional Safety



[Type Examination Certificate](#)

Test Certificates	other	Railway
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[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

[Miscellaneous](#)

[Miscellaneous](#)

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Environment

[Environmental Confirmations](#)

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