## **SIEMENS**

## **Data sheet**

6AG4025-0DF20-2BB0



SIMATIC IPC527G (Box PC), Core i7-6700 (4C/8T, 3.4 (4.0) GHz); 512 GB SSD, internal; 8 GB DDR4; Windows 7 Ultimate 64 bit, MUI; 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

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	
Rated value 50 Hz	Yes
<ul> <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	
• free slots	1x PCle (x16), 1x PCle (x1), 2x PCl
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

Integrated Functions   Status LEDs   POWER, HDD	— 1000 Mbps	Yes	
**Status LEDs**   POWER, HDD	Integrated Functions		
EMC  Interference immunity against discharge of static electricity  • Interference immunity against discharge of static electricity  • Interference immunity against discharge of static electricity  Pogree and class of protection  IP degree of protection  IP (at the front)  IP (arg )  IP (20  I	Monitoring functions		
Interference immunity against discharge of static electricity  Interference immunity against discharge of static electricity  Interference immunity against discharge of static electricity  Enterference immunity against discharge of static electricity  IP degree of protection  IP degree of protection  IP (at the front)  IP (at the front)  IP (rear)  Standards, approvals, certificates  CE mark  Ves  CSA approval  UL approval  Ves; No. 61010-1-12, No. 61010-2-201  UL approval  UL approval  Ves  CLULs  Yes; UL 61010-1, UL 61010-2-201  RCM (formerly C-TICK)  Yes  EAC (formerly Gost-R)  FCC  Yes  Ambient conditions  Ambient temperature during operation  In in.  In in.	Status LEDs	POWER, HDD	
e-Interference immunity against discharge of static electricity  Degree and class of protection  IP degree of protection IP (at the front) IP (rear) IP (rear) IP (20 IP) IP (rear) IP (rear) IP (20 IP) IP (rear) IP (20 IP (20 IP) IP (rear) IP (20 IP (20 IP) IP (20 IP (20 IP) IP (20 IP (20 IP) IP (20 IP) IP (20 IP (20 IP (20 IP) IP (20 IP (2	EMC		
electricity Degree and class of protection  IP degree of protection  IP (at the front) IP (arb (front) IP (rear) IP	Interference immunity against discharge of static electricity		
P degree of protection   IP20   IP2			
	Degree and class of protection		
Procession   Pro	IP degree of protection	IP20	
Standards, approvals, certificates	IP (at the front)	IP20	
CE mark  CSA approval  Ves; No. 61010-1-12, No. 61010-2-201  UL approval  Ves  cULus  Yes; UL 61010-1, UL 61010-2-201  RCM (formerly C-TICK)  Yes  KC approval  Yes  EAC (formerly Gost-R)  FCC  Yes  Ambient conditions  Ambient temperature during operation  • min.  • max.  45 °C  Ambient temperature during storage/transportation  • min.  • max.  60 °C  Relative humidity  • Relative humidity  • Relative humidity  • Vibrations  • Vibration resistance during operation acc. to IEC 60068-2-6  Shock testing  • Shock load during operation  Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s², 11 ms; with HDD: 9.8 m/s², 20 ms   Poperating systems  pre-installed operating system  Additional info on operating system  • Windows 7  Ves; Utlanate 64 bit  Dimensions  Width  260 mm  Height  Height  135 mm	IP (rear)	IP20	
CSA approval UL approval Ves CULUS Yes UL 61010-1-12, No. 61010-2-201  Wes CULUS Yes UL 61010-1, UL 61010-2-201  RCM (formerly C-TICK) Yes EAC (formerly Gost-R) FCC Yes Ambient conditions  Ambient temperature during operation • min. • max. 45 °C Ambient temperature during storage/transportation • min. • max. 45 °C Relative humidity • Relative humidity • Relative humidity • Relative humidity • Relative nesistance during operation acc. to IEC 60068-2-6 2-6 Shock leasting • Shock load during operation  Pre-installed operating systems  pre-installed operating system  Additional info on operating system  • Windows 7 Ultimate (Multi-Language) 64-bit  Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)  Presistaline 64 bit  Dimensions  Width 260 mm  Height  135 mm	Standards, approvals, certificates		
UL approval cULus Yes (CLUs Yes, UL 61010-1, UL 61010-2-201 RCM (formerly C-TICK) Yes KC approval Yes EAC (formerly Gost-R) FCC Yes Ambient conditions  Ambient temperature during operation • min. • max. • max. • 45 °C Ambient temperature during storage/transportation • min. • min. • -20 °C • max. • 60 °C Relative humidity • Relative humidity • Relative humidity • Nibration resistance during operation acc. to IEC 60068-2-6 Shock testing • Shock load during operation  Diomansions  Videnation  Videnation  Vindows 7 Vibration operating system • Windows 7 Vibrate (Multi-Language) 64-bit Additional info on operating system • Windows 7 Vibrations • Videnation • Windows 7 Vibration operating system • Windows 7 Vibrate (Multi-Language) 64-bit  Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)  Pre-installed operating system • Windows 7  Yes; Ultimate 64 bit  Diomansions  Width  260 mm  Height  135 mm	CE mark	Yes	
cULUS  CULUS  Yes  KC approval  EAC (formerly C-TICK)  Yes  EAC (formerly Gost-R)  FCC  Yes  Ambient conditions  Ambient temperature during operation  • min.  • max.  45 °C  Ambient temperature during storage/transportation  • min.  • min.  • min.  • min.  • max.  60 °C  Relative humidity  • Relative humidity  • Relative numidity  • Relative numidity  • Shock load during operation  • vibrations  • Vibrations  • Vibration resistance during operation acc. to IEC 60068-2-6  Shock testing  • Shock load during operation  Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s², 11 ms; with HDD: 9.8 m/s², 20 ms  Operating systems  pre-installed operating system  Pre-installed operating system  • Windows 7  Yes; Ultimate (Multi-Language) 64-bit  Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)  Pre-installed operating system  • Windows 7  Yes; Ultimate 64 bit  Dimensions  Width  260 mm  Height	CSA approval	Yes; No. 61010-1-12, No. 61010-2-201	
RCM (formerly C-TICK)  KC approval  EAC (formerly Gost-R)  FCC  Amblent conditions  Ambient temperature during operation  • min.  • max.  Ambient temperature during storage/transportation  • min.  • max.  Ambient temperature during storage/transportation  • min.  • max.  Ambient temperature during storage/transportation  • min.  • max.  60 °C  Relative humidity  • Relative humidity  • Relative humidity  • Relative newriding operation acc. to IEC 60068-2-6  2-6  Shock lesting  • Shock load during operation  • Shock load during operation  Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s², 11 ms; with HDD: 9.8 m/s², 20 ms  Operating systems  pre-installed operating system  Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)  pre-installed operating system  • Windows 7  Yes; Ultimate 64 bit  Dimensions  Width  260 mm  Height	UL approval	Yes	
KC approval  EAC (formerly Gost-R)  FCC  Yes  Ambient conditions  Ambient temperature during operation  • min.  • min.  • max.  45 °C  Ambient temperature during storage/transportation  • min.  • max.  Abbient temperature during storage/transportation  • min.  • ran.  • ran.  • 20 °C  • max.  Relative humidity  • Relative humidity  • Relative humidity  • Relative humidity  • Vibrations  • Vibration resistance during operation acc. to IEC 60068- 2-6  Shock testing  • Shock load during operation  Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s², 11 ms; with HDD: 9.8 m/s², 20 ms  Operating systems  pre-installed operating system  Additional info on operating system  • Windows 7  Ves; Ultimate 64 bit  Dimensions  Width  260 mm  Height  135 mm	cULus	Yes; UL 61010-1, UL 61010-2-201	
EAC (formerly Gost-R) FCC Yes  Ambient conditions  Ambient temperature during operation  • min. • max. • 45 °C  Ambient temperature during storage/transportation  • min. • max. • max. • 60 °C  Relative humidity • Relative humidity • Relative humidity • Vibrations • Vibration resistance during operation acc. to IEC 60068-2-6 2-6 Shock testing • Shock load during operation • Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s², 11 ms; with HDD: 9.8 m/s², 20 ms  Operating systems  pre-installed operating system  Additional info on operating system  • Windows 7 Ves; Ultimate 64 bit  Dimensions  Width Pilone 135 mm	RCM (formerly C-TICK)	Yes	
FCC Yes  Ambient conditions  Ambient temperature during operation  • min. 0 °C  • max. 45 °C  Ambient temperature during storage/transportation  • min20 °C  • max. 60 °C  Relative humidity  • Relative humidity  • Relative humidity  • Vibrations  • Vibration resistance during operation acc. to IEC 60068-2-6 2-6  Shock testing  • Shock load during operation  Tested in accordance with IEC 60068-2-7: With SSD: 150 m/s², 11 ms; with HDD: 9.8 m/s², 20 ms  Operating systems  pre-installed operating system  Additional info on operating system  • Windows 7 Ultimate (Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)  pre-installed operating system  • Windows 7  Ves; Ultimate 64 bit  Dimensions  Width 260 mm  Height	KC approval	Yes	
Ambient temperature during operation  • min. • min. • max. 45 °C  Ambient temperature during storage/transportation  • min. • max. 45 °C  Ambient temperature during storage/transportation  • min. • max. 60 °C  Relative humidity • Wibration resistance during operation acc. to IEC 60068- 2-6 Shock testing • Shock load during operation • Shock load during operation  Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s², 11 ms; with HDD: 9.8 m/s², 20 ms  Operating systems  pre-installed operating system  Additional info on operating system  • Windows 7 Ultimate (Multi-Language) 64-bit Additional info on operating system  • Windows 7  Ves: Ultimate 64 bit  Dimensions  Width 260 mm  Height  135 mm	EAC (formerly Gost-R)	Yes	
Ambient temperature during operation  • min.  • max.  45 °C  Ambient temperature during storage/transportation  • min.  • max.  60 °C  Relative humidity  • Relative humidity  • Vibration resistance during operation acc. to IEC 60068-2-6  2-6  Shock testing  • Shock load during operation  Tested in accordance with IEC 60068-2-7: With SSD: 150 m/s², 11 ms; with HDD: 9.8 m/s², 20 ms  Operating systems  pre-installed operating system  Additional info on operating system  • Windows 7  Vibrations  Windows 7  Yes; Ultimate 64 bit  Dimensions  Width  135 mm	FCC	Yes	
<ul> <li>min.</li> <li>max.</li> <li>45 °C</li> <li>Ambient temperature during storage/transportation</li> <li>min.</li> <li>-20 °C</li> <li>max.</li> <li>60 °C</li> <li>Relative humidity</li> <li>Relative humidity</li> <li>Vibrations</li> <li>Vibration resistance during operation acc. to IEC 60068-2-6</li> <li>2-6</li> <li>Shock testing</li> <li>Shock load during operation</li> <li>Tested in accordance with IEC 60068-2-2: With SSD: 150 m/s², 11 ms; with HDD: 9.8 m/s², 20 ms</li> </ul> Operating systems pre-installed operating system <ul> <li>Windows 7 Ultimate (Multi-Language) 64-bit</li> <li>Additional info on operating system</li> <li>Windows 7</li> <li>Yes; Ultimate 64 bit</li> </ul> Dimensions Width <ul> <li>260 mm</li> <li>Height</li> <li>135 mm</li> </ul>	Ambient conditions		
Max. 45 °C  Ambient temperature during storage/transportation      min20 °C     max. 60 °C  Relative humidity     Relative humidity     North and the standard programment of the standard pro	Ambient temperature during operation		
Ambient temperature during storage/transportation  imin. imax.  60 °C  Relative humidity in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity  in Relative humidity	• min.	0 °C	
<ul> <li>min.</li> <li>-20 °C</li> <li>max.</li> <li>60 °C</li> <li>Relative humidity</li> <li>Relative humidity</li> <li>Relative humidity</li> <li>8 85 % at 30 °C, no condensation</li> <li>Vibrations</li> <li>Vibration resistance during operation acc. to IEC 60068-2-6</li> <li>2-6</li> <li>Shock testing</li> <li>Shock load during operation</li> <li>Tested in accordance with IEC 60068-2-6: 10 Hz to 58 Hz: 0.0375 mm, 58 Hz to 200 Hz: 4.9 m/s²</li> <li>Operating systems</li> <li>pre-installed operating system</li> <li>Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)</li> <li>pre-installed operating system</li> <li>Windows 7</li> <li>Yes; Ultimate 64 bit</li> <li>Dimensions</li> <li>Width</li> <li>260 mm</li> <li>Height</li> <li>135 mm</li> </ul>	• max.	45 °C	
max. 60 °C  Relative humidity      Nock destroin resistance during operation acc. to IEC 60068-2-6     Shock testing     Shock load during operation     Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s², 11 ms; with HDD: 9.8 m/s², 20 ms      Operating systems  pre-installed operating system  Additional info on operating system  Windows 7 Ultimate (Multi-Language) 64-bit  Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)  pre-installed operating system  Windows 7  Yes; Ultimate 64 bit  Dimensions  Width  Height  135 mm	Ambient temperature during storage/transportation		
Relative humidity  Relative humidity  Relative humidity  Relative humidity  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/s²  Shock testing  Shock load during operation  Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s², 11 ms; with HDD: 9.8 m/s², 20 ms  Operating systems  pre-installed operating system  Windows 7 Ultimate (Multi-Language) 64-bit  Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)  pre-installed operating system  Windows 7 Yes; Ultimate 64 bit  Dimensions  Width  260 mm  Height	• min.	-20 °C	
Relative humidity  8 85 % at 30 °C, no condensation  Vibrations  Vibrations  Vibration resistance during operation acc. to IEC 60068-2-6  Shock testing  Shock load during operation  Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s², 11 ms; with HDD: 9.8 m/s², 20 ms  Operating systems  pre-installed operating system  Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)  pre-installed operating system  Windows 7  Yes; Ultimate 64 bit  Dimensions  Width  260 mm  Height  135 mm	• max.	60 °C	
Vibrations	Relative humidity		
• 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/s²  Shock testing  • Shock load during operation  Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s², 11 ms; with HDD: 9.8 m/s², 20 ms  Operating systems  pre-installed operating system  Windows 7 Ultimate (Multi-Language) 64-bit  Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)  pre-installed operating system  • Windows 7  Yes; Ultimate 64 bit  Dimensions  Width  260 mm  Height  135 mm	Relative humidity	8 85 % at 30 °C, no condensation	
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● Shock load during operation  Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s², 11 ms; with HDD: 9.8 m/s², 20 ms  Operating systems  pre-installed operating system  Additional info on operating system  Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)  pre-installed operating system  ● Windows 7  Yes; Ultimate 64 bit  Dimensions  Width  260 mm  Height  135 mm			
HDD: 9.8 m/s², 20 ms  Operating systems  pre-installed operating system	Shock testing		
pre-installed operating system  Additional info on operating system  Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)  pre-installed operating system  • Windows 7  Yes; Ultimate 64 bit  Dimensions  Width  260 mm  Height  135 mm	Shock load during operation		
Additional info on operating system  Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)  pre-installed operating system  • Windows 7  Yes; Ultimate 64 bit  Dimensions  Width  260 mm  Height  135 mm	Operating systems		
Spanish, Italian)  pre-installed operating system  ● Windows 7  Yes; Ultimate 64 bit  Dimensions  Width  260 mm  Height  135 mm	pre-installed operating system	Windows 7 Ultimate (Multi-Language) 64-bit	
● Windows 7 Yes; Ultimate 64 bit    Dimensions	Additional info on operating system		
● Windows 7    Yes; Ultimate 64 bit			
Width 260 mm Height 135 mm	Windows 7	Yes; Ultimate 64 bit	
Height 135 mm	Dimensions		
	Width	260 mm	
Depth 225 mm	Height	135 mm	
	Depth	225 mm	

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