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Data sheet 6AG4025-0CB20-2BB0



SIMATIC IPC527G (Box PC); Core i5-6500 (4C/4T, 3.2 (3.6) GHz); 1 TB HDD, internal; 8 GB DDR4; Windows 7 Ultimate 64-bit, MUI; 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	
● 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
Graphics card	Yes
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	

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● Industrial Ethernet interface	2x Ethernet (RJ45)
— 100 Mbps	Yes
— 1000 Mbps	Yes
Interrupts/diagnostics/status information	
LED status display	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	
● min.	0 °C
● max.	40 °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	IEC 60068-2-6; 10 Hz to 58 Hz 0.015 mm; 58 Hz to 200Hz 1.96 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
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
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	10	EC001413
ETIM	9	EC001413

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ETIM	8	EC001413
ETIM	7	EC001413
IDEA	4	6606
UNSPSC	15	43-21-15-06

Approvals / Certificates

General Product Approval			EMV	Maritime application	
CE EG-Konf.	UKCA	EAC	RCM	BUREAU VERITAS	DNV

Maritime application	other		Environment	
RMRS	产品合格 QC PASS	Confirmation	EPD	Environmental Confirmations

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