SIEMENS

Data sheet 6AG4022-0BC41-2CA1

	SIMATIC IPC327G (Basicbox PC); 2x display port graphic; 2x 10/100/1000 Mbps Ethernet RJ45; 4x USB3.1, 3x USB2.0; 4x serial ports (COM); Intel Atom x6413E; (up to 3.0 GHz) without audio; 16 GB RAM; 4x USB+2x COM; Windows 10 Enterprise 2019 LTSC 64 bit; MUI (en,de,fr,it,es); 512 GB Eco SSD; ; standard;
General information	
Product type designation	IPC327G
Installation type/mounting	
Mounting	Rail or wall mounting
Design	Box PC, built-in unit
Supply voltage	
Type of supply voltage	24 V
Mains buffering	
● Mains/voltage failure stored energy time	20 ms
Processor	
Processor type	Intel Atom X6413E
Drives	
SSD	Yes
Memory	
Type of memory	DDR4
Capacity of main memory, max.	16 Gbyte
Hardware configuration	
Slots	
● free slots	2x M.2
Interfaces	
Number of industrial Ethernet interfaces	2; 2x RJ45 (independent)
Connection for keyboard/mouse	USB / USB
Video interfaces	
● Graphics interface	2x DisplayPort
Industrial Ethernet	
● Industrial Ethernet interface	2x Ethernet (RJ45)
— 100 Mbps	Yes
— 1000 Mbps	Yes
Protocols	
Protocols (Ethernet)	
● TCP/IP	Yes
Integrated Functions	
Monitoring functions	
● Temperature monitoring	Yes
● Watchdog	Yes
● Status LEDs	POWER, HDD
● Fan	No
EMC	
Interference immunity against discharge of static electricity	
● Interference immunity against discharge of static electricity	±4 kV contact discharge acc. to IEC 61000-4-2; ±8 kV air discharge acc. to IEC 61000-4-2
Interference immunity against high-frequency electromagnetic fields	
● Interference immunity against high frequency radiation	10 V/m for 80 - 1 000 MHz and 1.4 - 2 GHz, 80% AM acc. to IEC 61000-4-3; 3 V/m for 2 - 2.7 GHz, 80% AM acc. to IEC 61000-4-3; 10 V for 10 kHz - 80 MHz, 80% AM acc. to IEC 61000-4-6
Degree and class of protection	
IP degree of protection	IP40
Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes

Subject to change without notice
© Copyright Siemens

UL approval	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
FCC	Yes
BSMI	Yes
Dust protection	Protection against foreign bodies > 1 mm
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	55 °C; without M.2 module
Ambient temperature during storage/transportation	
● min.	-20 °C
● max.	70 °C
Relative humidity	
● Relative humidity	5 ... 85 % at 30 °C, no condensation
Vibrations	
● Vibration resistance during operation acc. to IEC 60068-2-6	58 Hz to 200 Hz: 4.9 m/s²; tested according to IEC 60068-2-6
Shock testing	
● Shock load during operation	with SSD: 150 m/s², 11 ms, 5 g, 30 ms, tested accordance with IEC 60068-2-27
Operating systems	
pre-installed operating system	Windows 10 IoT Enterprise 2019 LTSC, 64 bit, MUI
without operating system	Yes; Optional
pre-installed operating system	
● Windows 10 Enterprise	Yes; Windows 10 IoT Enterprise 2019 LTSC, 64 bit, MUI
Dimensions	
Width	254 mm
Height	132 mm
Depth	73 mm

last modified: 8/3/2022

Subject to change without notice
© Copyright Siemens