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Data sheet 6AG4022-0BC31-2BA1

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; 8 GB RAM; 4x USB+2x COM; Windows 10 Enterprise 2019 LTSC 64 bit; MUI (en,de,fr,it,es); 256 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; 256 GB SSD/512 GB SSD
Storage	
Type of memory	DDR4
Main memory	4 GB, 8 GB,16 GB
Capacity of main memory, max.	16 Gbyte
Interfaces	
Number of industrial Ethernet interfaces	2; 2x RJ45 (independent)
Video interfaces	
● Graphics interface	2x DisplayPort
Industrial Ethernet	
● Industrial Ethernet interface	
— 100 Mbps	Yes
— 1000 Mbps	Yes
Protocols	
Protocols (Ethernet)	
● TCP/IP	Yes
Interrupts/diagnostics/status information	
LED status display	POWER, HDD
Integrated Functions	
Monitoring functions	
● Temperature monitoring	Yes
● Fan	No
Degree and class of protection	
IP degree of protection	IP40
Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes
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	

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● min.	0 °C
● max.	55 °C; without M.2 module
Ambient temperature during storage/transportation	
● min.	-20 °C
● max.	70 °C
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
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

Approvals / Certificates

General Product Approval					EMV
Miscellaneous	EAC	Confirmation	UKCA	CE EG-Konf.	RCM

Test Certificates	Maritime application	other		Environment	
Type Test Certificates/Test Report	Lloyd's Register LRS	Miscellaneous	Confirmation	Environmental Confirmations	Environmental Confirmations

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