

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; 4 GB RAM; 4x USB+2x COM; without operating system; without mass storage; ; 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
Memory	
Type of memory	DDR4
Main memory	4 GB, 8 GB, 16 GB
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)
USB port	4x USB 3.1; 3x USB 2.0
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
• 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
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/s <sup>2</sup> ; tested according to IEC 60068-2-6
Shock testing	
• Shock load during operation	with SSD: 150 m/s <sup>2</sup> , 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

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
	ETIM	8	EC001413
	ETIM	7	EC001413

Approvals / Certificates	
General Product Approval	EMV



[Confirmation](#)



Maritime application	other	Environment
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