

SIMATIC IPC227G 2x display ports; 3x 10/100/1000 Mbps Ethernet; 4x USB3.0, 2x M.2 expansion slot; 24 V DC industrial power supply Atom X6413E (4-core); 16 GB RAM / with USB flash drive (documentation) 2x COM; 256 GB Eco SSD; without hardware extension; Windows 10 Enterprise 2021 LTSC, 64-bit; MUI (en,de,fr,it,es); mounting onto standard rail;

General information	
Product type designation	IPC227G
Installation type/mounting	
Mounting	DIN rail mounting
Design	Box PC, built-in unit
Supply voltage	
Type of supply voltage	24 V DC
Rated value (DC)	24 V
Mains buffering	
<ul style="list-style-type: none"> Mains/voltage failure stored energy time 	20 ms
Input current	
Current consumption (rated value)	0.7 A
Current consumption, max.	1.9 A
Inrush current, max.	2.5 A
Processor	
Processor type	Intel Atom X6413E
Chipset	SoC
Graphic	
Graphics controller	Integrated
Drives	
SSD	Yes; 256 Eco
Memory	
Type of memory	DDR4 SO-DIMM
Main memory	8 GB RAM
Capacity of main memory, max.	16 Gbyte
Interfaces	
Number of industrial Ethernet interfaces	3; 3x Ethernet (RJ45)
Video interfaces	
<ul style="list-style-type: none"> Graphics interface 	2x DisplayPort
Industrial Ethernet	
<ul style="list-style-type: none"> Industrial Ethernet interface <ul style="list-style-type: none"> — 100 Mbps — 1000 Mbps 	Yes Yes
Protocols	
<ul style="list-style-type: none"> Protocols (Ethernet) <ul style="list-style-type: none"> • TCP/IP 	Yes
Interrupts/diagnostics/status information	
LED status display	1x power, 3x user
Integrated Functions	
Monitoring functions	
<ul style="list-style-type: none"> Temperature monitoring Fan Monitoring function via network 	Yes No Optional
Degree and class of protection	
IP degree of protection	IP40
Standards, approvals, certificates	

CE mark	Yes
UKCA mark	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
FCC	Yes
BSMI	Yes
BIS	Yes
Dust protection	Protection against foreign bodies > 1 mm

Marine approval	
• Germanischer Lloyd (GL)	Yes
• American Bureau of Shipping (ABS)	Yes
• Bureau Veritas (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Korean Register of Shipping (KRS)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (Class NK)	Yes
• Chinese Classification Society (CCS)	Yes

Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	50 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C

Operating systems	
without operating system	Yes
pre-installed operating system	
• Windows 10	Yes; Windows 10 IoT Enterprise 2019 LTSC, 64 bit, MUI

Dimensions	
Width	191 mm
Height	100 mm
Depth	64 mm

Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



[Miscellaneous](#)

[China RoHS](#)



General Product Approval | **Maritime application**



[BIS CRS](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)

[CCS \(China Classification Society\)](#)



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