

SIMATIC IPC277G (Nanopanel PC); 15" multi-touch (1920 x 1080); neutral front; 3x 10/100/1000 Mbps Ethernet RJ45; 2x display port graphic; 4x USB 3.1; 2x M.2 extension slot; DC 24 V industrial power supply 24 V DC industrial power supply



Figure similar

General information	
Product type designation	IPC277G
Display	
Design of display	15" TFT multi-touch
Screen diagonal	15 in
Resolution (pixels)	
• Horizontal image resolution	1 920 pixel
• Vertical image resolution	1 080 pixel
Backlighting	
• MTBF backlighting (at 25 °C)	50 000 h
Control elements	
Touch operation	
• Design as multi-touch screen	Yes; Projective-capacitive
Installation type/mounting	
Mounting	For horizontal and vertical mounting
Design	Panel PC, built-in unit
central design	Yes
Mounting in portrait format possible	Yes
Supply voltage	
Type of supply voltage	24 V DC
Rated value (DC)	24 V
Mains buffering	
• Mains/voltage failure stored energy time	20 ms
Input current	
Current consumption (rated value)	1.5 A
Current consumption, max.	5 A
Processor	
Processor type	Intel Atom X6413E
Chipset	SoC
Graphic	
Graphics controller	Integrated
Drives	
SSD	Yes; 256 Eco
Storage	
Type of memory	DDR4 SO-DIMM
Main memory	8 GB RAM
Capacity of main memory, max.	8 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 Mbps1000 Mbps	<div>Yes</div> <div>Yes</div>	
Protocols		
Protocols (Ethernet)		
<ul style="list-style-type: none">DHCP	Yes	
Interrupts/diagnostics/status information		
LED status display	No	
Integrated Functions		
Monitoring functions		
<ul style="list-style-type: none">Temperature monitoringFanMonitoring function via network	<div>Yes</div> <div>No</div> <div>Optional</div>	
Degree and class of protection		
IP (at the front)	IP65	
IP (rear)	20	
Standards, approvals, certificates		
CE mark	Yes	
cULus	Yes	
RCM (formerly C-TICK)	Yes	
KC approval	Yes	
EAC (formerly Gost-R)	Yes	
FCC	Yes	
Ambient conditions		
Ambient temperature during operation		
<ul style="list-style-type: none">min.max.	<div>0 °C</div> <div>50 °C; from 19", 22", 24": max. 45 °C</div>	
Ambient temperature during storage/transportation		
<ul style="list-style-type: none">min.max.	<div>-20 °C</div> <div>60 °C</div>	
Relative humidity		
<ul style="list-style-type: none">Operation, max.	85 %	
Vibrations		
<ul style="list-style-type: none">Vibration resistance during operation acc. to IEC 60068-2-6	tested according to IEC 60068-2-6: 5 Hz to 8.4 Hz: 3.5 mm, 8.4 Hz to 200 Hz : 9.8m/s² (1 g) (except DIN Rail) 10 Hz to 58 Hz: 0.0375 mm, 58 Hz to 500 Hz: 4.9 m/s² (0.5 g) (DIN Rail)	
Operating systems		
pre-installed operating system	Windows 10 IoT Enterprise 2021 LTSC	
pre-installed operating system		
<ul style="list-style-type: none">Windows 10 Enterprise	Yes; Windows 10 IoT Enterprise 2021 LTSC	
Dimensions		
Width	398 mm	
Height	257 mm	
Depth	105 mm	
Width of the housing front	398 mm	
Height of housing front	257 mm	
Mounting cutout, width	382 mm	
Mounting cutout, height	241 mm	
mounting depth	105 mm	
Weights		
Weight, approx.	5.3 kg	
Classifications		
	Version	Classification

eClass	16	19-20-01-03
eClass	14	19-20-01-03
eClass	12	19-20-01-03
eClass	9.1	19-20-01-03
eClass	9	19-20-01-03
eClass	8	27-24-23-01
eClass	7.1	27-24-23-01
eClass	6	27-24-23-01
ETIM	10	EC001414
ETIM	9	EC001414
ETIM	8	EC001414
ETIM	7	EC001414

Approvals / Certificates

General Product Approval	Maritime application	Dangerous goods
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Miscellaneous

China RoHS



[Dangerous goods in-formation](#)

[Test Summary Report UN 38.3](#)

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