

SIMATIC IPC377G (basic panel PC) 2x display port graphic; without audio; 2x 10/100/1000 Mbps Ethernet RJ45; 4x USB 3.1, 3x USB 2.0; 4x serial ports (COM); 2x M.2 module; 24 V DC power supply; built-in unit;



Figure similar

General information	
Product type designation	IPC377G
Installation type/mounting	
Mounting	Panel mount and VESA, horizontal and vertical
Design	Panel PC, built-in unit
Supply voltage	
Type of supply voltage	24 V DC
Mains buffering	
• Mains/voltage failure stored energy time	10 ms
Processor	
Processor type	Intel Atom X6413E
Storage	
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)
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
Interrupts/diagnostics/status information	
LED status display	POWER, HDD
Integrated Functions	
Monitoring functions	
• Temperature monitoring	Yes
• Watchdog	Yes
• Fan	No
EMC	

Interference immunity against discharge of static electricity			
<ul style="list-style-type: none"> Interference immunity against discharge of static electricity 	±6 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			
<ul style="list-style-type: none"> Interference immunity against high frequency radiation 	10 V/m for 80 ... 1 000 MHz, 80 % AM according to IEC 61000-4-3; 3 V/m for 1.4 ... 6 GHz, 80 % AM according to IEC 61000-4-3		
Degree and class of protection			
IP (at the front)	IP65		
IP (rear)	IP40		
Standards, approvals, certificates			
CE mark	Yes		
CSA approval	Yes		
UL approval	Yes		
RCM (formerly C-TICK)	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			
<ul style="list-style-type: none"> min. max. 	0 °C 50 °C; when installed vertically in horizontal format, vertical inclination maximum 45° or when installed upright in vertical format		
Ambient temperature during storage/transportation			
<ul style="list-style-type: none"> min. max. 	-20 °C 70 °C		
Relative humidity			
<ul style="list-style-type: none"> Relative humidity Operation, max. 	max. 85% at 30 °C, no condensation, gradient ≤ 10 °C/h 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 500 Hz: 9.8 m/s ²		
Shock testing			
<ul style="list-style-type: none"> Shock load during operation 	tested according to IEC 60068-2-27: 150 m/s ² , 11 ms; 5 g, 30 ms		
Operating systems			
without operating system	Yes		
pre-installed operating system			
<ul style="list-style-type: none"> Windows 10 Enterprise 	Yes		
Dimensions			
Width	652 mm		
Height	443 mm		
Depth	209 mm		
Classifications			
		Version	Classification
	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



[Miscellaneous](#)



General Product Approval

EMV

Dangerous goods



[BIS CRS](#)



[Test Summary Report
UN 38.3](#)

[Dangerous goods in-
formation](#)

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