

SIMATIC IPC377G (basic panel PC); 12" singletouch (1280 x 800); 2x 10/100/1000 Mbps Ethernet RJ45; 2x DisplayPort graphic; 4x USB 3.1; 2x M.2 extension slot; 24 V DC power supply Atom x6413E (up to 3.9 GHz); 4 GB RAM; 4x USB+2x COM; Windows10 Enterprise 2019 LTSC, 64 bit; MUI (en,de,fr,it,es); 256 GB SSD; ;

General information	
Product type designation	IPC377G
Display	
Design of display	12" TFT touch
Screen diagonal	12 in
Resolution (pixels)	
• Horizontal image resolution	1 280 pixel
• Vertical image resolution	800 pixel
Backlighting	
• MTBF backlighting (at 25 °C)	50 000 h
Control elements	
Touch operation	
• Design as touch screen	Yes; Analog-resistive
Installation type/mounting	
Mounting	Panel mount and VESA, horizontal and vertical
Design	Panel PC, built-in unit
central design	Yes
Mounting in portrait format possible	Yes
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
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 (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			
• min.	0 °C		
• max.	50 °C; when installed vertically in horizontal format, vertical inclination maximum 45° or when installed upright in vertical format		
Ambient temperature during storage/transportation			
• min.	-20 °C		
• max.	70 °C		
Relative humidity			
• Operation, max.	85 %		
Vibrations			
• 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/s²		
Operating systems			
without operating system	Yes		
pre-installed operating system			
• Windows 10 Enterprise	Yes		
Dimensions			
Width	652 mm		
Height	443 mm		
Depth	209 mm		
Width of the housing front	319.6 mm		
Height of housing front	225.59999 mm		
Mounting cutout, width	302 mm		
Mounting cutout, height	208 mm		
mounting depth	91.7 mm		
Weights			
Weight, approx.	3.4 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	For use in hazardous locations		



[Miscellaneous](#)

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For use in hazardous locations

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