

SIMATIC IPC377G (basic panel PC); 15" singletouch (1366 x 768); 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); 8 GB RAM; 4x USB+2x COM; without operating system; 512 GB SSD; ;

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
Drives	
SSD	Yes
Memory	
Type of memory	DDR4
Main memory	4 GB (pre-installed)
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
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	±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	
• 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	
• 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	
• Relative humidity	max. 85% at 30 °C, no condensation, gradient <= 10 °C/h




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/s ²

Shock testing	
• 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	
• Windows 10 Enterprise	Yes

Approvals / Certificates

General Product Approval	Test Certificates			
 Confirmation				Type Test Certificates/Test Report

Maritime application

Maritime application	other				
	CCS (China Classification Society)	Confirmation	Miscellaneous		Confirmation

Environment

[Environmental Confirmations](#)

last modified: 6/13/2022 