

SIMATIC IPC377G (basic panel PC); 19" 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; 256 GB SSD; ;

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	
<ul style="list-style-type: none"> <li>Mains/voltage failure stored energy time</li> </ul>	10 ms
Memory	
Type of memory	DDR4
Capacity of main memory, max.	16 Gbyte
Hardware configuration	
Slots	
<ul style="list-style-type: none"> <li>free slots</li> </ul>	2x M.2
Interfaces	
Number of industrial Ethernet interfaces	2; 2x RJ45 (independent)
Video interfaces	
<ul style="list-style-type: none"> <li>Graphics interface</li> </ul>	2x DisplayPort
Industrial Ethernet	
<ul style="list-style-type: none"> <li>Industrial Ethernet interface                             <ul style="list-style-type: none"> <li>— 100 Mbps</li> <li>— 1000 Mbps</li> </ul> </li> </ul>	2x Ethernet (RJ45) Yes Yes
Protocols	
Protocols (Ethernet)	
<ul style="list-style-type: none"> <li>TCP/IP</li> </ul>	Yes
Integrated Functions	
Monitoring functions	
<ul style="list-style-type: none"> <li>Temperature monitoring</li> <li>Watchdog</li> <li>Fan</li> </ul>	Yes Yes No
EMC	
Interference immunity against discharge of static electricity	
<ul style="list-style-type: none"> <li>Interference immunity against discharge of static electricity</li> </ul>	±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"> <li>Interference immunity against high frequency radiation</li> </ul>	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
<b>Ambient conditions</b>	
Ambient temperature during operation	
• min.	0 °C
• max.	50 °C
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/s <sup>2</sup>
<b>Operating systems</b>	
without operating system	Yes
pre-installed operating system	
• Windows 10 Enterprise	Yes
<b>Approvals / Certificates</b>	
<b>General Product Approval</b>	



[Miscellaneous](#)



<b>General Product Approval</b>	<b>EMV</b>	<b>Dangerous goods</b>
<a href="#">BIS CRS</a>		<a href="#">Test Summary Report UN 38.3</a>
		<a href="#">Dangerous goods information</a>

last modified:

3/15/2022