

\*\*\* no longer available \*\*\* SIMATIC IPC377E (basic panel PC) 1x display port graphic; 1x VGA port graphic; 2x 10/100/1000 Mbps Ethernet RJ45; 2x USB 3.0; 2x USB 2.0; 4x serial ports (COM); 12" touch (1280 x 800); Celeron N3160 (4C/4T); 8 GB RAM; 1x mPCIe / 1x mSATA; Windows 10 Enterprise 2016 LTSB, 64 bit; MUI (en,de,fr,it,es); 1 TB HDD; 24 V DC power supply; installation, VESA mounting

General information	
Product type designation	IPC377E
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
Processor	
Processor type	Intel Celeron N3160
Drives	
Hard disk	500 GB HDD
SSD	Yes; 256 GB SSD
Storage	
Type of memory	DDR3L
Main memory	4 GB, 8 GB
Capacity of main memory, max.	8 Gbyte
Hardware configuration	
Slots	
<ul style="list-style-type: none"> <li>free slots</li> </ul>	1x mPCIe (half-size), 1x mSATA (full-size)
Interfaces	
Number of industrial Ethernet interfaces	2; 2x RJ45 (independent)
USB port	2x USB 2.0, 2x USB 3.0 (high current)
Video interfaces	
<ul style="list-style-type: none"> <li>Graphics interface</li> </ul>	1x DisplayPort, 1x VGA
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; ±8 kV air (to IEC 1000-4-2; ESD)
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
Interference immunity to cable-borne interference	
<ul style="list-style-type: none"> <li>Interference immunity on supply cables</li> </ul>	±2 kV (according to IEC 61000-4-4, burst); ±1 kV (according to IEC 61000-4-5,

<ul style="list-style-type: none"> <li>• Interference immunity on signal cables &gt;30m</li> <li>• Interference immunity on signal cables &lt; 30m</li> </ul>	surge pulse/line to line); ±2 kV (according to IEC 61000-4-5, surge pulse/line to ground) ±2 kV acc. to IEC 61000-4-4, burst; ±2 kV acc. to IEC 61000-4-5, surge ±1 kV acc. to IEC 61000-4-4, Burst		
<b>Interference immunity against voltage surge</b>			
<ul style="list-style-type: none"> <li>• asymmetric interference</li> <li>• symmetric interference</li> </ul>	±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric		
<b>Interference immunity to magnetic fields</b>			
<ul style="list-style-type: none"> <li>• Interference immunity to magnetic fields at 50 Hz</li> </ul>	100 A/m; to IEC 61000-4-8		
<b>Degree and class of protection</b>			
IP (at the front)	IP65		
IP (rear)	IP40		
<b>Standards, approvals, certificates</b>			
CE mark	Yes		
UL approval	Yes		
cULus	Yes		
RCM (formerly C-TICK)	Yes		
EAC (formerly Gost-R)	Yes		
FCC	Yes		
Dust protection	Protection against foreign bodies > 1 mm		
<b>Ambient conditions</b>			
<b>Ambient temperature during operation</b>			
<ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>	0 °C 45 °C		
<b>Ambient temperature during storage/transportation</b>			
<ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>	-20 °C 60 °C		
<b>Relative humidity</b>			
<ul style="list-style-type: none"> <li>• Relative humidity</li> </ul>	Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)		
<b>Vibrations</b>			
<ul style="list-style-type: none"> <li>• Vibration resistance during operation acc. to IEC 60068-2-6</li> </ul>	tested according to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to 500 Hz 9.8 m/s <sup>2</sup> (1 g)		
<b>Shock testing</b>			
<ul style="list-style-type: none"> <li>• Shock load during operation</li> </ul>	Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s <sup>2</sup> , 11 ms; with HDD: 9.8 m/s <sup>2</sup> , 20 ms		
<b>Operating systems</b>			
pre-installed operating system	Windows 7 Ultimate (Multi-Language), 64 bit; Windows 10 Enterprise 2016 LTSB, 64 bit		
without operating system	Yes		
<b>Classifications</b>			
		<b>Version</b>	<b>Classification</b>
	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
<b>Approvals / Certificates</b>			
<b>General Product Approval</b>			



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General Product Approval	EMV	Dangerous goods	
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