



Figure similar

\*\*\* no longer available \*\*\* SIMATIC IPC377E (basic panel PC) 12" Touch (1280 x 800); Celeron N3160 (4C/4T); 4 GB RAM; 256 GB SSD; 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); 1x mPCIe / 1x mSATA; Windows 10 Enterprise 2016 LTSB, 64-bit; MUI (en,de,fr,it,es); 24 V DC power supply; built-in, VESA mounting

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	1 TB HDD
Memory	
Type of memory	DDR3L
Main memory	4 GB (pre-installed)
Capacity of main memory, max.	8 Gbyte
Hardware configuration	
Slots	
<ul style="list-style-type: none"> <li>free slots</li> <li>Number of PCI slots</li> </ul>	1x mPCIe (half-size), 1x mSATA (full-size) 0
Interfaces	
Number of industrial Ethernet interfaces	2; 2x RJ45 (independent)
Number of PROFINET interfaces	2
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>Status LEDs</li> </ul>	Yes Yes POWER, HDD

• Fan	No
<b>EMC</b>	
Interference immunity against discharge of static electricity	
• Interference immunity against discharge of static electricity	±6 kV contact; ±8 kV air (to IEC 1000-4-2; ESD)
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
Interference immunity to cable-borne interference	
• Interference immunity on supply cables	±2 kV (according to IEC 61000-4-4, burst); ±1 kV (according to IEC 61000-4-5, surge pulse/line to line); ±2 kV (according to IEC 61000-4-5, surge pulse/line to ground)
• Interference immunity on signal cables >30m	±2 kV acc. to IEC 61000-4-4, burst; ±2 kV acc. to IEC 61000-4-5, surge
• Interference immunity on signal cables < 30m	±1 kV acc. to IEC 61000-4-4, Burst
Interference immunity against voltage surge	
• asymmetric interference	±2 kV acc. to IEC 61000-4-5, surge asymmetric
• symmetric interference	±1 kV acc. to IEC 61000-4-5, surge symmetric
Interference immunity to magnetic fields	
• Interference immunity to magnetic fields at 50 Hz	100 A/m; to IEC 61000-4-8
<b>Degree and class of protection</b>	
IP degree of protection	IP40
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>	
Ambient temperature during operation	
• Ambient temperature during operation	0 to +45°C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
• Relative humidity	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)
Vibrations	
• Vibration resistance during operation acc. to IEC 60068-2-6	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)
Shock testing	
• Shock load during operation	Tested according to IEC 60068-2-27: 150 m/s <sup>2</sup> , 11 ms
<b>Operating systems</b>	
pre-installed operating system	Windows 10 Enterprise 2016 LTSC, 64 bit, MUI
pre-installed operating system	
• Windows 10 Enterprise	Yes; Windows 10 IoT Enterprise 2016 LTSC, 64bit, MUI
<b>Dimensions</b>	
Width	320 mm
Height	225.6 mm
Depth	95.2 mm
<b>last modified:</b>	9/17/2021 