

SIMATIC IPC377E (Basicpanel PC) 19" touch (1366 x 768); Celeron N3160 (4C/4T); 4 GB RAM; 256 GB SSD; 1x display port graphic; 1x VGA port graphic; 2x 10/100/1000 Mbit/s Ethernet RJ45; 2x USB3.0, 2x USB2.0; 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; installation, VESA mounting



Figure similar

General information	
Product type designation	IPC377
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	
SSD	Yes; 256 GB SSD
Memory	
Type of memory	DDR3L

Main memory	4 GB (pre-installed)
Capacity of main memory, max.	8 Gbyte
<b>Hardware configuration</b>	
<b>Slots</b>	
• free slots	1x mPCIe (half-size), 1x mSATA (full-size)
<b>Interfaces</b>	
Number of industrial Ethernet interfaces	2; 2x RJ45 (independent)
USB port	2x USB 2.0, 2x USB 3.0 (high current)
<b>Video interfaces</b>	
• Graphics interface	1x DisplayPort, 1x VGA
<b>Industrial Ethernet</b>	
• Industrial Ethernet interface	2x Ethernet (RJ45)
— 100 Mbps	Yes
— 1000 Mbps	Yes
<b>Protocols</b>	
<b>Protocols (Ethernet)</b>	
• TCP/IP	Yes
<b>Integrated Functions</b>	
<b>Monitoring functions</b>	
• Temperature monitoring	Yes
• Watchdog	Yes
• Status LEDs	POWER, HDD
• Fan	No
<b>EMC</b>	
<b>Interference immunity against discharge of static electricity</b>	
• Interference immunity against discharge of static electricity	±6 kV contact; ±8 kV air (to IEC 1000-4-2; ESD)
<b>Interference immunity against high-frequency electromagnetic fields</b>	
• 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
<b>Interference immunity to cable-borne interference</b>	
• 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
<b>Interference immunity against voltage surge</b>	
• asymmetric interference	±2 kV acc. to IEC 61000-4-5, surge asymmetric
• symmetric interference	±1 kV acc. to IEC 61000-4-5, surge symmetric
<b>Interference immunity to magnetic fields</b>	

- Interference immunity to magnetic fields at 50 Hz

100 A/m; to IEC 61000-4-8

### Degree and class of protection

IP (at the front)	IP65
IP (rear)	IP40

### Standards, approvals, certificates

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

### Ambient conditions

#### Ambient temperature during operation

- Ambient temperature during operation

0 to +45°C

#### Ambient temperature during storage/transportation

- min.
- max.

-20 °C

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)

### Operating systems

pre-installed operating system

Windows 10 Enterprise 2016 LTSB, 64 bit, MUI

pre-installed operating system

- Windows 10 Enterprise

Yes; Windows 10 IoT Enterprise 2016 LTSB, 64bit, MUI

### Dimensions

Width	472.6 mm
Height	296.8 mm
Depth	103 mm

**last modified:**

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