




Figure similar

SIMATIC IPC377E (Basicpanel PC) 19" Touch; 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 USB 3.0; 2x USB 2.0; 4x serial Ports (COM); 1x mPCIe-Slot; 1x mSATA-Slot; Windows 7 Ult. 64 bit; DC 24V power supply; panel 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                                                                                                          |                                               |
| SSD                                                                                                             | Yes; 256 GB SSD                               |
| 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> </ul>                                                    | 1x mPCIe (half-size), 1x mSATA (full-size)    |
| <ul style="list-style-type: none"> <li>Number of PCI slots</li> </ul>                                           | 0                                             |
| 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</li> </ul>                                 | 2x Ethernet (RJ45)                            |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>100 Mbps</li> </ul> </li> </ul>  | Yes                                           |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>1000 Mbps</li> </ul> </li> </ul> | Yes                                           |
| Protocols                                                                                                       |                                               |
| Protocols (Ethernet)                                                                                            |                                               |
| <ul style="list-style-type: none"> <li>TCP/IP</li> </ul>                                                        | Yes                                           |
| Integrated Functions                                                                                            |                                               |
| Monitoring functions                                                                                            |                                               |

|                                                                     |                                                                                                                                                                         |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| • Temperature monitoring                                            | Yes                                                                                                                                                                     |
| • Watchdog                                                          | Yes                                                                                                                                                                     |
| • Status LEDs                                                       | 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 (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 7 Ultimate (Multi-Language) 64-bit                                                                                                                              |
| pre-installed operating system                                      |                                                                                                                                                                         |
| • Windows 7                                                         | Yes; Ultimate 64 bit, SP1                                                                                                                                               |
| <b>Dimensions</b>                                                   |                                                                                                                                                                         |
| Width                                                               | 472.6 mm                                                                                                                                                                |
| Height                                                              | 296.8 mm                                                                                                                                                                |
| Depth                                                               | 103 mm                                                                                                                                                                  |
| <b>last modified:</b>                                               | 5/31/2021                                                                            |