

SIMATIC IPC377E (BASICPANEL PC) 15" TOUCH; CELERON N3160 (4C/4T); 4 GB RAM; 500 GB HDD; 1x DISPLAY-PORT GRAPHIC; 1x VGA-PORT GRAPHIC; 2x 10/100/1000 MBIT/S ETHERNET RJ45; 2x USB3.0, 2x USB2.0; 4x COM-PORTS; 1x mPCIe-SLOT; 1x mSATA-SLOT; W/O OPERATING SYSTEM; 24V DC POWER SUPPLY; PANEL MOUNT



Figure similar

| 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                            |   |
| • Mains/voltage failure stored energy time | 10 ms   |
| Processor                                  |   |
| Processor type                             | Intel Celeron N3160                           |
| Drives                                     |   |
| Hard disk                                  | 500 GB 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> </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</li> <li>— 100 Mbps</li> <li>— 1000 Mbps</li> </ul>   | 2x Ethernet (RJ45)<br>Yes<br>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> <li>• Fan</li> </ul>   | Yes<br>Yes<br>POWER, HDD<br>No  |
| EMC  |   |
| Interference immunity against discharge of static electricity  |   |
| <ul style="list-style-type: none"> <li>• Interference immunity against discharge of static electricity</li> <li>• Interference immunity against discharge of static electricity acc. to IEC 61000-4-2               <ul style="list-style-type: none"> <li>— Test voltage at air discharge</li> <li>— Test voltage at contact discharge</li> </ul> </li> </ul> | ±6 kV contact; ±8 kV air (to IEC 1000-4-2; ESD)<br><br>8 kV<br>6 kV   |
| 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> <li>• Interference immunity on signal cables &gt;30m</li> <li>• Interference immunity on signal cables &lt; 30m</li> </ul>  | ±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)<br><br>±2 kV acc. to IEC 61000-4-4, burst; ±2 kV acc. to IEC 61000-4-5, surge<br><br>±1 kV acc. to IEC 61000-4-4, Burst |
| Interference immunity against voltage surge  |   |
| <ul style="list-style-type: none"> <li>• asymmetric interference</li> </ul>  | ±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   |
| <b>Degree and class of protection</b>                         |   |
| IP (at the front)   | IP65  |
| IP (rear)   | IP40  |
| <b>Standards, approvals, certificates</b>                     |   |
| CE mark   | Yes   |
| cULus   | No  |
| 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>                   |   |
| • Ambient temperature during operation                        | 0 to +40 °C   |
| <b>Ambient temperature during storage/transportation</b>      |   |
| • min.  | -20 °C  |
| • max.  | 60 °C   |
| <b>Relative humidity</b>                                      |   |
| • 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) |
| <b>Vibrations</b>   |   |
| • Vibration resistance during operation acc. to IEC 60068-2-6 | 58 Hz to 200 Hz: 4.9 m/s <sup>2</sup> ; tested according to DIN IEC 60068-2-6   |
| <b>Shock testing</b>  |   |
| • Shock load during operation                                 | With HDD: 9.81 m/s <sup>2</sup> , 20 ms; tested according to IEC 60068-2-27   |
| <b>Operating systems</b>                                      |   |
| without operating system                                      | Yes   |
| <b>Dimensions</b>   |   |
| Width   | 406 mm  |
| Height  | 258.1 mm  |
| Depth   | 103 mm  |
| <b>last modified:</b>   | 09/13/2019  |