




Figure similar

*** no longer available *** SIMATIC IPC377E (basic panel PC) 12" Touch; 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 slot; 1x mSATA slot; Windows 7 Ultimate 64-bit; 24 V DC power supply; built-in unit

| 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"> Mains/voltage failure stored energy time | 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"> free slots Number of PCI slots | 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"> Graphics interface | 1x DisplayPort, 1x VGA |
| Industrial Ethernet | |
| <ul style="list-style-type: none"> Industrial Ethernet interface <ul style="list-style-type: none"> — 100 Mbps — 1000 Mbps | 2x Ethernet (RJ45) Yes Yes |
| Protocols | |
| Protocols (Ethernet) | |
| <ul style="list-style-type: none"> TCP/IP | Yes |
| Integrated Functions | |
| Monitoring functions | |
| <ul style="list-style-type: none"> Temperature monitoring Watchdog Status LEDs | Yes Yes POWER, HDD |

| | |
|---|---|
| • Fan | No |
| EMC | |
| 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 |
| Degree and class of protection | |
| IP degree of protection | IP40 |
| 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. | -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 ² (1 g) |
| Shock testing | |
| • Shock load during operation | Tested according to IEC 60068-2-27: 150 m/s ² , 11 ms |
| Operating systems | |
| pre-installed operating system | Windows 7 Ultimate (Multi-Language) 64-bit |
| pre-installed operating system | |
| • Windows 7 | Yes; Ultimate 64 bit, SP1 |
| Dimensions | |
| Width | 320 mm |
| Height | 225.6 mm |
| Depth | 95.2 mm |
| last modified: | 9/17/2021  |