

SIMATIC IPC377E (Basicpanel 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 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



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 | |
| 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"> • free slots | 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"> • Graphics interface | 1x DisplayPort, 1x VGA |
| Industrial Ethernet | |
| <ul style="list-style-type: none"> • Industrial Ethernet interface — 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 • Fan | Yes Yes POWER, HDD No |
| EMC | |
| Interference immunity against discharge of static electricity | |
| <ul style="list-style-type: none"> • 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 | |
| <ul style="list-style-type: none"> • 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 | |
| <ul style="list-style-type: none"> • Interference immunity on supply cables • Interference immunity on signal cables >30m • Interference immunity on signal cables < 30m | ±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) ±2 kV acc. to IEC 61000-4-4, burst; ±2 kV acc. to IEC 61000-4-5, surge ±1 kV acc. to IEC 61000-4-4, Burst |
| Interference immunity against voltage surge | |
| <ul style="list-style-type: none"> • asymmetric interference • symmetric interference | ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric |
| Interference immunity to magnetic fields | |
| <ul style="list-style-type: none"> • 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 | |
| <ul style="list-style-type: none"> Ambient temperature during operation | 0 to +45°C |
| Ambient temperature during storage/transportation | |
| <ul style="list-style-type: none"> min. | -20 °C |
| <ul style="list-style-type: none"> max. | 60 °C |

| Operating systems | |
|---|--|
| pre-installed operating system | Windows 7 Ultimate (Multi-Language) 64-bit |
| pre-installed operating system | |
| <ul style="list-style-type: none"> Windows 7 | Yes; Ultimate 64 bit, SP1 |

| Dimensions | |
|-----------------------|------------|
| Width | 320 mm |
| Height | 225.6 mm |
| Depth | 95.2 mm |
| last modified: | 02/13/2020 |