

SIMATIC IPC377G (basic panel PC); 12" singletouch (1280 x 800); 2x 10/100/1000 Mbps Ethernet RJ45; 2x DisplayPort graphic; 4x USB 3.1; 2x M.2 extension slot; 24 V DC power supply Atom x6413E (up to 3.9 GHz); with TPM; 8 GB RAM; 4x USB+2x COM; Windows10 Enterprise 2019 LTSC, 64 bit; MUI (en,de,fr,it,es); 512 GB SSD; ;

| General information | |
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| Product type designation | IPC377G |
| 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 Atom X6413E |
| Memory | |
| Type of memory | DDR4 |
| Main memory | 4 GB, 8 GB, 16 GB |
| Capacity of main memory, max. | 16 Gbyte |
| Hardware configuration | |
| Slots | |
| <ul style="list-style-type: none"> free slots | 2x M.2 |
| Interfaces | |
| Number of industrial Ethernet interfaces | 2; 2x RJ45 (independent) |
| Video interfaces | |
| <ul style="list-style-type: none"> Graphics interface | 2x DisplayPort |
| 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 | |
| <ul style="list-style-type: none"> Protocols (Ethernet) <ul style="list-style-type: none"> TCP/IP | Yes |
| Integrated Functions | |
| Monitoring functions | |
| <ul style="list-style-type: none"> Temperature monitoring Watchdog Fan | Yes Yes 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 discharge acc. to IEC 61000-4-2; ±8 kV air discharge acc. to IEC 61000-4-2 |
| 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 |
| Degree and class of protection | |
| IP (at the front) | IP65 |
| IP (rear) | IP40 |
| Standards, approvals, certificates | |
| CE mark | Yes |
| CSA approval | Yes |

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|-----------------------|--|
| UL approval | Yes |
| RCM (formerly C-TICK) | Yes |
| KC approval | Yes |
| EAC (formerly Gost-R) | Yes |
| FCC | Yes |
| BSMI | Yes |
| Dust protection | Protection against foreign bodies > 1 mm |

Ambient conditions

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| Ambient temperature during operation | |
| • min. | 0 °C |
| • max. | 50 °C; when installed vertically in horizontal format, vertical inclination maximum 45° or when installed upright in vertical format |

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|---|--------|
| Ambient temperature during storage/transportation | |
| • min. | -20 °C |
| • max. | 70 °C |

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| Relative humidity | |
| • Relative humidity | max. 85% at 30 °C, no condensation, gradient <= 10 °C/h |
| • Operation, max. | 85 % |

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|---|---|
| Vibrations | |
| • Vibration resistance during operation acc. to IEC 60068-2-6 | Tested according to IEC 60068-2-6: 5 Hz to 8.4 Hz: 3.5 mm, 8.4 Hz to 500 Hz: 9.8 m/s ² |

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| Shock testing | |
| • Shock load during operation | tested according to IEC 60068-2-27: 150 m/s ² , 11 ms; 5 g, 30 ms |

Operating systems

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| without operating system | Yes |
| pre-installed operating system | |
| • Windows 10 Enterprise | Yes |

Dimensions

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|--------|--------|
| Width | 652 mm |
| Height | 443 mm |
| Depth | 209 mm |

Approvals / Certificates

| | | |
|--------------------------|-------|-------------|
| General Product Approval | other | Environment |
|--------------------------|-------|-------------|



[Confirmation](#)

[Environmental Confirmations](#)

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