

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); 8 GB RAM; 4x USB+2x COM; Windows10 Enterprise 2019 LTSC, 64 bit; MUI (en,de,fr,it,es); 256 GB SSD;

| 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  |
| Memory   |  |
| Type of memory   | DDR4   |
| Capacity of main memory, max.  | 16 Gbyte   |
| Hardware configuration   |  |
| Slots  |  |
| <ul style="list-style-type: none"> <li>free slots</li> </ul>   | 2x M.2   |
| Interfaces   |  |
| Number of industrial Ethernet interfaces   | 2; 2x RJ45 (independent)   |
| Video interfaces   |  |
| <ul style="list-style-type: none"> <li>Graphics interface</li> </ul>   | 2x DisplayPort   |
| Industrial Ethernet  |  |
| <ul style="list-style-type: none"> <li>Industrial Ethernet interface                             <ul style="list-style-type: none"> <li>— 100 Mbps</li> <li>— 1000 Mbps</li> </ul> </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>Fan</li> </ul>  | Yes<br>Yes<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> </ul>  | ±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"> <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 |
| Degree and class of protection   |  |
| IP (at the front)  | IP65   |
| IP (rear)  | IP40   |
| Standards, approvals, certificates   |  |
| CE mark  | Yes  |
| CSA approval   | Yes  |
| 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  |
| <b>Ambient conditions</b>                                     |   |
| Ambient temperature during operation                          |   |
| • min.  | 0 °C  |
| • max.  | 50 °C   |
| Ambient temperature during storage/transportation             |   |
| • min.  | -20 °C  |
| • max.  | 70 °C   |
| Relative humidity   |   |
| • Operation, max.   | 85 %  |
| 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 <sup>2</sup> |
| <b>Operating systems</b>                                      |   |
| without operating system                                      | Yes   |
| pre-installed operating system                                |   |
| • Windows 10 Enterprise                                       | Yes   |
| <b>Classifications</b>  |   |

|        | Version | Classification |
|--------|---------|----------------|
| eClass | 14      | 19-20-01-03    |
| eClass | 12      | 19-20-01-03    |
| eClass | 9.1     | 19-20-01-03    |
| eClass | 9       | 19-20-01-03    |
| eClass | 8       | 27-24-23-01    |
| eClass | 7.1     | 27-24-23-01    |
| eClass | 6       | 27-24-23-01    |
| ETIM   | 10      | EC001414       |
| ETIM   | 9       | EC001414       |
| ETIM   | 8       | EC001414       |
| ETIM   | 7       | EC001414       |

**Approvals / Certificates**

**General Product Approval**



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[Miscellaneous](#)



[Confirmation](#)

**General Product Approval**      **other**      **Dangerous goods**



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