



SIMATIC IPC MD-34A with type C PD 10.1 multi-touch 512 GB SSD, 16 GB RAM, Intel Core i5-11th Windows 10 IoT Enterprise LTSC 21H2 resolution: 1920x1200 pixels brightness: 800 cd/m<sup>2</sup> Wi-Fi, Bluetooth built-in global 4 G/LTE module built-in GPS & GLONASS with 3,500 mAh battery; you must select your power supply cord: EU: 6ES7900-5AA00-0XA0 GB: 6ES7900-5BA00-0XA0 Switzerland: 6ES7900-5CA00-0XA0 USA: 6ES7900-5DA00-0XA0 Italy: 6ES7900-5EA00-0XA0 China: 6ES7900-5FA00-0XA0 India: 6ES7900-5GA00-0XA0

| General information                 |  |
|-------------------------------------|--|
| Design of the programming device    | Mobile computer                                |
| Display                             |  |
| Design of display                   | 10.1" TFT LCD with Multi-Touch                 |
| Screen diagonal                     | 10.1 in; TFT display, LED backlighting         |
| Resolution (pixels)                 |  |
| • Horizontal image resolution       | 1 920 pixel                                    |
| • Vertical image resolution         | 1 200 pixel                                    |
| General features                    |  |
| • Non-reflecting                    | Yes; Anti-Glare, etching on cover glass        |
| • Luminance                         | 800 cd/m <sup>2</sup>                          |
| Backlighting                        |  |
| • Type of backlighting              | LED  |
| Control elements                    |  |
| Keyboard fonts                      |  |
| • Design                            | Touch  |
| Touch operation                     |  |
| • Integrated touch pad              | No   |
| Supply voltage                      |  |
| Design of the power supply          | External wide-range power supply; 3-pole       |
| Rated value (DC)                    | 19 V   |
| permissible range, lower limit (AC) | 100 V  |
| permissible range, upper limit (AC) | 240 V  |
| Processor                           |  |
| Processor type                      | Intel Core i5-1135G7 2.4 GHz                   |
| Chipset                             | Intel HM570 PCH                                |
| Hyper-threading                     | No   |
| Turbo Boost Technology 2.0          | Yes  |
| Graphic                             |  |
| Graphics controller                 | Intel® Iris® Xe Integrated Graphics Controller |
| Drives                              |  |
| CD-RW                               | No   |
| DVD-ROM                             | No   |
| DVD-RW                              | No   |
| Hard disk                           | No   |
| • Memory capacity                   | 16 Gbyte                                       |
| SSD                                 | Yes  |
| • Memory capacity                   | 512 Gbyte                                      |
| TPM Security Chip                   | Yes; 2.0 (version for China without TPM)       |

| Memory  |   |
|---|---|
| Type of memory  | DDR4 SO-DIMM  |
| Work memory   |   |
| <ul style="list-style-type: none"> <li>integrated</li> </ul>  | 16 Gbyte  |
| <ul style="list-style-type: none"> <li>Number of slots</li> </ul>   | 1   |
| Accumulator   |   |
| Replaceable   | Yes; Lithium-ion battery  |
| Capacity  | 3 500 mA·h  |
| Battery runtime, min.   | 6 h   |
| Hardware configuration  |   |
| Slots   |   |
| <ul style="list-style-type: none"> <li>Number of ExpressCard slots</li> </ul>   | 0   |
| Interfaces  |   |
| Number of industrial Ethernet interfaces  | 1   |
| Number of interfaces PROFIBUS DP  | 0   |
| Number of RS 232 interfaces   | 0   |
| Number of USB interfaces  | 2   |
| <ul style="list-style-type: none"> <li>Type A</li> </ul>  | 1; USB 3.0  |
| <ul style="list-style-type: none"> <li>Type C</li> </ul>  | 1; USB 3.0  |
| MPI   | No  |
| Bluetooth radio standard  | Yes; V5.3   |
| Universal Audio Jack  | Yes; combo audio socket for 3.5 mm jack   |
| Video interfaces  |   |
| <ul style="list-style-type: none"> <li>analog video signal (VGA)</li> </ul>   | No  |
| <ul style="list-style-type: none"> <li>DVI-I</li> </ul>   | No  |
| <ul style="list-style-type: none"> <li>DisplayPort</li> </ul>   | No  |
| <ul style="list-style-type: none"> <li>Micro HDMI</li> </ul>  | Yes   |
| 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> <li>Wake on LAN</li> <li>IAMT (Intel Active Management Technology)</li> </ul>                            | <br>Yes<br>Yes<br>No<br>No  |
| WLAN  |   |
| <ul style="list-style-type: none"> <li>Type</li> </ul>  | 802.11 a/b/g/n/ac/ax and global 4G LTE module   |
| Wireless transmission   |   |
| <ul style="list-style-type: none"> <li>Protocol for wireless transmission</li> <li>Operating frequency (rated value)</li> <li>Range, max.</li> <li>Multitag capability</li> </ul>   | <br>Legic Prime, Legic Advant, ISO 15693, ISO 14443 A/B<br>13.56 MHz<br>30 mm<br>Yes  |
| Interrupts/diagnostics/status information   |   |
| LED status display  | 2x LED Indicator for Power, Battery   |
| EMC   |   |
| Interference immunity against discharge of static electricity   |   |
| <ul style="list-style-type: none"> <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> | <br>Yes; ±6 kV contact discharge acc. to IEC 61000-4-2, ESD; ±8 kV air discharge acc. to IEC 61000-4-2, ESD<br>8 kV<br>6 kV                         |
| Interference immunity to cable-borne interference   |   |
| <ul style="list-style-type: none"> <li>Interference immunity on supply lines acc. to IEC 61000-4-4</li> <li>Interference immunity on signal cables acc. to IEC 61000-4-4</li> </ul>   | <br>Yes; 2 kV acc. to IEC 61000-4-4, burst<br>Yes; 1 kV acc. to IEC 61000-4-4, burst, length < 3 m; 2 kV acc. to IEC 61000-4-4, burst, length > 3 m |
| Emission of radio interference acc. to EN 55 022  |   |
| <ul style="list-style-type: none"> <li>Interference emission acc. to EN 55022, class B</li> </ul>   | Yes; CISPR 32 Class B   |
| Degree and class of protection  |   |
| IP degree of protection   | IP65  |
| Standards, approvals, certificates  |   |
| CE mark   | Yes   |

|  |   |                       |
|--|---|-----------------------|
| CSA approval   | Yes   |                       |
| UL approval  | No  |                       |
| FCC  | Yes   |                       |
| <b>Military use</b>                                      |   |                       |
| • Conforms to MIL-STD-810G                               | No  |                       |
| <b>Ambient conditions</b>                                |   |                       |
| <b>Ambient temperature during operation</b>              |   |                       |
| • min.   | -20 °C; AC mode   |                       |
| • max.   | 60 °C; AC mode  |                       |
| <b>Ambient temperature during storage/transportation</b> |   |                       |
| • min.   | -30 °C  |                       |
| • max.   | 70 °C   |                       |
| <b>Relative humidity</b>                                 |   |                       |
| • Operation, min.  | 50 %; non condensing  |                       |
| • Operation, max.  | 95 %; non condensing  |                       |
| <b>Vibrations</b>  |   |                       |
| • Operation, tested according to IEC 60068-2-6           | Yes   |                       |
| <b>Shock testing</b>                                     |   |                       |
| • tested according to IEC 60068-2-27                     | Yes; operating: 15G, 11ms half sine; The interval time is set to 2 or 3 seconds generally, 3 Shock times per direction Storage/Transportation: 25G, 6ms half sine, The interval time is set to 2 or 3 seconds generally |                       |
| • tested according to IEC 60068-2-29                     | No  |                       |
| <b>Operating systems</b>                                 |   |                       |
| Local language of operating system                       | Multi-Language User Interface (MUI): 6 languages (English, German, French, Spanish, Italian, Chinese)   |                       |
| <b>pre-installed operating system</b>                    |   |                       |
| • Windows 10   | Yes; Windows 10 IoT Enterprise 2021 LTSC  |                       |
| <b>Software</b>  |   |                       |
| <b>Preinstalled</b>                                      |   |                       |
| • STEP 7 Professional 2010                               | No  |                       |
| • STEP 7 Professional (TIA Portal)                       | No  |                       |
| • STEP 7   | No  |                       |
| • WinCC flexible Advanced 2008                           | No  |                       |
| • WinCC Advanced (TIA Portal)                            | No  |                       |
| • STEP 5   | No  |                       |
| <b>Mechanics/material</b>                                |   |                       |
| Material of housing                                      | plastic   |                       |
| Handle   | No  |                       |
| Socket for Kensington lock                               | Yes   |                       |
| rubber corner guards                                     | Yes; 4 corners covered by rubber bumpers as protectors  |                       |
| <b>Dimensions</b>  |   |                       |
| Width  | 272 mm  |                       |
| Height   | 25 mm   |                       |
| Depth  | 192 mm  |                       |
| <b>Weights</b>   |   |                       |
| Weight, approx.  | 1.1 kg  |                       |
| <b>Scope of supply</b>                                   |   |                       |
| Accumulator  | Yes   |                       |
| Power supply   | Yes   |                       |
| Backpack   | No  |                       |
| SIMATIC Software   | No  |                       |
| Recovery media   | No; Restore & Recovery  |                       |
| <b>Classifications</b>                                   |   |                       |
|  | <b>Version</b>  | <b>Classification</b> |
| eClass   | 14  | 19-01-02-01           |
| eClass   | 12  | 19-01-02-01           |
| eClass   | 9.1   | 19-01-02-01           |
| eClass   | 9   | 19-01-02-01           |

|        |     |             |
|--------|-----|-------------|
| eClass | 8   | 19-01-02-01 |
| eClass | 7.1 | 19-01-02-01 |
| eClass | 6   | 19-01-02-01 |
| ETIM   | 10  | EC001414    |
| ETIM   | 9   | EC001414    |
| ETIM   | 8   | EC001414    |
| ETIM   | 7   | EC001414    |

**Approvals / Certificates**

**General Product Approval**

[Miscellaneous](#)



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**Radio Equipment Type Approval Certificate**

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last modified:

10/14/2025