



SIMATIC IPC MD-34A Automation 10.1" multi-touch 256 GB SSD, 16 GB RAM Intel Core i5-11, Windows 10 21H2 IoT Enterprise LTSC resolution: 1280x800 pixels brightness: 350 cd/m<sup>2</sup> Wi-Fi, Bluetooth HF RFID reader with 3,500 mAh battery; you must select your power supply cord: EU: 6ES7900-5AA00-0XA0 GB: 6ES7900-5BA00-0XA0 Swiss: 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	1 280 pixel
• Vertical image resolution	800 pixel
General features	
• Non-reflecting	Yes; Anti-Glare, etching on cover glass
• Luminance	350 cd/m <sup>2</sup>
Backlighting	
• Type of backlighting	LED
Control elements	
Keyboard fonts	
• Design	Touch
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	256 Gbyte
TPM Security Chip	Yes; 2.0 (version for China without TPM)
Memory	
Type of memory	DDR4 SDRAM

<b>Work memory</b>	
<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
<b>Accumulator</b>	
Replaceable	Yes; Lithium-ion battery
Capacity	3 500 mA·h
Battery runtime, min.	6 h
<b>Hardware configuration</b>	
Slots	
<ul style="list-style-type: none"> <li>Number of ExpressCard slots</li> </ul>	0
<b>Interfaces</b>	
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
<b>Video interfaces</b>	
<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
<b>Industrial Ethernet</b>	
<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>	 Yes Yes No No
<b>WLAN</b>	
<ul style="list-style-type: none"> <li>Type</li> </ul>	802.11 a/b/g/n/ac/ax
<b>Interrupts/diagnostics/status information</b>	
LED status display	2x LED Indicator for Power, Battery
<b>EMC</b>	
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>	 Yes; ±6 kV contact discharge acc. to IEC 61000-4-2, ESD; ±8 kV air discharge acc. to IEC 61000-4-2, ESD 8 kV 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>	 Yes; 2 kV acc. to IEC 61000-4-4, burst 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
<b>Degree and class of protection</b>	
IP degree of protection	IP65
<b>Standards, approvals, certificates</b>	
CE mark	Yes
CSA approval	Yes
UL approval	No
FCC	Yes
<b>Military use</b>	
<ul style="list-style-type: none"> <li>Conforms to MIL-STD-810G</li> </ul>	No
<b>Ambient conditions</b>	
Ambient temperature during operation	

• min.	0 °C; AC mode	
• max.	0 °C; AC mode	
<b>Ambient temperature during storage/transportation</b>		
• min.	-20 °C	
• max.	60 °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; Operating: Frequency / Deflection 10 - 58 Hz / 0.0375 mm 58 - 200 Hz / 4.9 m/s <sup>2</sup> , 10 cycles Storage/Transportation: Cycles per Axle 10 / Octaves/min 1 Frequency / Deflection 5 - 8.4 Hz / 3.5 mm 8.4 - 500Hz / 9.8 m/s <sup>2</sup>	
<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	
<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](#)

**General Product Approval**

[Miscellaneous](#)



[BIS CRS](#)



[China RoHS](#)

**General Product Approval**      **Radio Equipment Type Approval Certificate**



[Industry Canada \(IC\)](#)

[Miscellaneous](#)

**SUBTEL**

[FCC](#)

**Radio Equipment Type Approval Certificate**      **Dangerous goods**

[Miscellaneous](#)

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