

SIMATIC IPC MD-34A with type C PD 10.1" multi-touch 256 GB SSD, 16 GB RAM Intel Core i5-11th Windows 10 IoT Enterprise LTSC 21H2 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	
• 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; ±10 %, sinusoidal
permissible range, upper limit (AC)	240 V; ±10 %, sinusoidal
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)
Storage	
Type of memory	DDR4 SO-DIMM
Work memory	
• integrated	16 Gbyte
• Number of slots	1
Accumulator	

Replaceable	Yes; Lithium-ion battery
Capacity	3 500 mA·h
Battery runtime, min.	6 h
<b>Hardware configuration</b>	
Slots	
• Number of ExpressCard slots	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
• Type A	1; USB 3.0
• Type C	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>	
• analog video signal (VGA)	No
• DVI-I	No
• DisplayPort	No
• Micro HDMI	Yes
<b>Industrial Ethernet</b>	
• Industrial Ethernet interface	
— 100 Mbps	Yes
— 1000 Mbps	Yes
• Wake on LAN	No
• IAMT (Intel Active Management Technology)	No
<b>WLAN</b>	
• Type	802.11 a/b/g/n/ac/ax
<b>Wireless transmission</b>	
• Multitag capability	No
<b>Interrupts/diagnostics/status information</b>	
LED status display	2x LED Indicator for Power, Battery
<b>EMC</b>	
<b>Interference immunity against discharge of static electricity</b>	
• Interference immunity against discharge of static electricity acc. to IEC 61000-4-2	Yes; ±6 kV contact discharge acc. to IEC 61000-4-2, ESD; ±8 kV air discharge acc. to IEC 61000-4-2, ESD
— Test voltage at air discharge	8 kV
— Test voltage at contact discharge	6 kV
<b>Interference immunity to cable-borne interference</b>	
• Interference immunity on supply lines acc. to IEC 61000-4-4	Yes; 2 kV acc. to IEC 61000-4-4, burst
• Interference immunity on signal cables acc. to IEC 61000-4-4	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
<b>Emission of radio interference acc. to EN 55 022</b>	
• Interference emission acc. to EN 55022, class B	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>	
• Conforms to MIL-STD-810G	Yes; MIL-STD-810H Method 514.8 Procedure I; MIL-STD-810H Method 516.8 Procedure I
<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; 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; 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](#)



[Miscellaneous](#)



[BIS CRS](#)

General Product Approval

Radio Equipment Type Approval Certificate



[China RoHS](#)



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**SUBTEL**

Radio Equipment Type Approval Certificate

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last modified:

1/29/2026