



SIMATIC IPC MD-34A High End 10.1" multi-touch 512 GB SSD, 32 GB RAM Intel Core i5-11, Windows 10 21H2 IoT Enterprise LTSC resolution: 1920x1200 pixels brightness: 800 cd/m2 Wi-Fi, Bluetooth 1D/2D bar code reader built-in HF RFID reader module built-in global 4G/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 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	1 920 pixel
• Vertical image resolution	1 200 pixel
General features	
• Non-reflecting	Yes; Anti-Glare, etching on cover glass
• Luminance	800 cd/m ²
Backlighting	
• Type of backlighting	LED
Control elements	
Keyboard	
• 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	32 Gbyte
SSD	Yes
• Memory capacity	512 Gbyte
TPM Security Chip	Yes; 2.0 (version for China without TPM)
Storage	
Type of memory	DDR4 SO-DIMM

Work memory	
• integrated	32 Gbyte
• Number of slots	1
Accumulator	
Replaceable	Yes; Lithium-ion battery
Capacity	3 500 mA·h
Battery runtime, min.	6 h
Hardware configuration	
Slots	
• Number of ExpressCard slots	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
• 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
Video interfaces	
• DVI-I	No
• DisplayPort	No
• Micro HDMI	Yes
Industrial Ethernet	
• Industrial Ethernet interface	
— 100 Mbps	Yes
— 1000 Mbps	Yes
• Wake on LAN	No
• IAMT (Intel Active Management Technology)	No
WLAN	
• Type	802.11 a/b/g/n/ac/ax and global 4G LTE module
Wireless transmission	
• Protocol for wireless transmission	Legic Prime, Legic Advant, ISO 15693, ISO 14443 A/B
• Operating frequency (rated value)	13.56 MHz
• Range, max.	30 mm
• Multitag capability	Yes
Interrupts/diagnostics/status information	
LED status display	2x LED Indicator for Power, Battery
EMC	
Interference immunity against discharge of static electricity	
• 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
Interference immunity to cable-borne interference	
• 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
Emission of radio interference acc. to EN 55 022	
• Interference emission acc. to EN 55022, class B	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

Military use			
Conforms to MIL-STD-810G	No		
Ambient conditions			
Ambient temperature during operation			
min.	0 °C; AC mode		
max.	0 °C; AC mode		
Ambient temperature during storage/transportation			
min.	-20 °C		
max.	60 °C		
Relative humidity			
Operation, min.	50 %; non condensing		
Operation, max.	95 %; non condensing		
Vibrations			
Operation, tested according to IEC 60068-2-6	Yes; Operating: Frequency / Deflection 10 - 58 Hz / 0.0375 mm 58 - 200 Hz / 4.9 m/s², 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/s²		
Shock testing			
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		
Operating systems			
Local language of operating system	Multi-Language User Interface (MUI): 6 languages (English, German, French, Spanish, Italian, Chinese)		
pre-installed operating system			
Windows 10	Yes; Windows 10 IoT Enterprise 2021 LTSC		
Software			
Preinstalled			
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		
Mechanics/material			
Material of housing	plastic		
Handle	No		
Socket for Kensington lock	Yes		
rubber corner guards	Yes		
Dimensions			
Width	272 mm		
Height	25 mm		
Depth	192 mm		
Weights			
Weight, approx.	1.1 kg		
Scope of supply			
Accumulator	Yes		
Power supply unit	Yes		
Backpack	No		
SIMATIC Software	No		
Recovery media	No; Restore & Recovery		
Classifications			
		Version	Classification
	eClass	16	19-01-02-01
	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
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[Miscellaneous](#)

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

SUBTEL

[FCC](#)

Radio Equipment Type Approval Certificate	Dangerous goods
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last modified:

6/22/2026