



SIMATIC IPC MD-34A Outdoor 10.1" multi-touch 512 GB SSD, 16 GB RAM Intel Core i5-11, Windows 10 21H2 IoT Enterprise LTSC resolution: 1920x1200 pixels brightness: 800 cd/m2 Wi-Fi, Bluetooth 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 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	512 Gbyte
TPM Security Chip	Yes; 2.0 (version for China without TPM)
Memory	
Type of memory	DDR4 SDRAM

Work memory	
<ul style="list-style-type: none"> integrated 	16 Gbyte
<ul style="list-style-type: none"> Number of slots 	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"> 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
<ul style="list-style-type: none"> Type A 	1; USB 3.0
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> analog video signal (VGA) 	No
<ul style="list-style-type: none"> DVI-I 	No
<ul style="list-style-type: none"> DisplayPort 	No
<ul style="list-style-type: none"> Micro HDMI 	Yes; combo audio socket for 3.5 mm jack
Industrial Ethernet	
<ul style="list-style-type: none"> Industrial Ethernet interface <ul style="list-style-type: none"> — 100 Mbps — 1000 Mbps Wake on LAN IAMT (Intel Active Management Technology) 	 Yes Yes No No
WLAN	
<ul style="list-style-type: none"> Type 	802.11 a/b/g/n/ac/ax and global 4G LTE module
Wireless transmission	
<ul style="list-style-type: none"> Protocol for wireless transmission Operating frequency (rated value) Range, max. Multitag capability 	 Legic Prime, Legic Advant, ISO 15693, ISO 14443 A/B 13.56 MHz 30 mm 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"> Interference immunity against discharge of static electricity acc. to IEC 61000-4-2 <ul style="list-style-type: none"> — Test voltage at air discharge — Test voltage at contact discharge 	 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"> Interference immunity on supply lines acc. to IEC 61000-4-4 Interference immunity on signal cables acc. to IEC 61000-4-4 	 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"> 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	Yes

FCC	Yes	
Military use		
<ul style="list-style-type: none"> Conforms to MIL-STD-810G 	No	
Ambient conditions		
Ambient temperature during operation		
<ul style="list-style-type: none"> min. max. 	0 °C; AC mode 0 °C; AC mode	
Ambient temperature during storage/transportation		
<ul style="list-style-type: none"> min. max. 	-20 °C 60 °C	
Relative humidity		
<ul style="list-style-type: none"> Operation, min. Operation, max. 	50 %; non condensing 95 %; non condensing	
Vibrations		
<ul style="list-style-type: none"> 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 ² , 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 ²	
Shock testing		
<ul style="list-style-type: none"> tested according to IEC 60068-2-27 tested according to IEC 60068-2-29 	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 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		
<ul style="list-style-type: none"> Windows 10 	Yes; Windows 10 IoT Enterprise 2021 LTSC	
Software		
Preinstalled		
<ul style="list-style-type: none"> STEP 7 Professional 2010 STEP 7 Professional (TIA Portal) STEP 7 WinCC flexible Advanced 2008 WinCC Advanced (TIA Portal) STEP 5 	No No No No No 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	Yes	
Backpack	No	
SIMATIC Software	No	
Recovery media	No; Restore & Recovery	
Classifications		
	Version	Classification
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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