

SIMATIC ITP1000, 8 function keys, Ethernet 10/100/1000 Mbit/s, 1x RS232, 2x USB 3.0, 1x UAJ, 1x USB type-C, 1x SD card reader, Wifi 802.11 a/b/c/g, Bluetooth, Lithium-ion battery; 10" Multitouch (1280 x 800); Without extras; 256 GB SSD; without operating system; Core I5-6442EQ; 4 GB RAM; 110/230 V AC power supply unit, Power supply cable for Europe; without software (included);

General information	
Design of the programming device	Tablet PC
Display	
Design of display	10" multi-touch
Resolution (pixels)	
<ul style="list-style-type: none"> <li>Horizontal image resolution</li> <li>Vertical image resolution</li> </ul>	1 280 pixel; 1 920 pixels 800 pixel; 1 200 pixels
General features	
<ul style="list-style-type: none"> <li>Luminance</li> </ul>	220 cd/m <sup>2</sup> ; 350 cd/m <sup>2</sup>
Backlighting	
<ul style="list-style-type: none"> <li>Type of backlighting</li> </ul>	LED
Control elements	
Keyboard	
<ul style="list-style-type: none"> <li>Design</li> </ul>	Touch
Touch operation	
<ul style="list-style-type: none"> <li>Integrated touch pad</li> </ul>	No
Supply voltage	
Design of the power supply	External wide-range power supply; 3-pole
permissible range, lower limit (AC)	100 V; ±10 %, sinusoidal
permissible range, upper limit (AC)	240 V; ±10 %, sinusoidal
Line frequency	
<ul style="list-style-type: none"> <li>permissible range, lower limit</li> <li>permissible range, upper limit</li> </ul>	47 Hz 63 Hz
Processor	
Processor type	Celeron G3902 (2C/2T, 1.6 GHz, 2 MB cache); Intel Core i5-6442EQ (6 MB cache, up to 2.70 GHz, iAMT)
Hyper-threading	No
Turbo Boost Technology 2.0	Yes
Graphic	
Graphics controller	Intel® HD graphics 530
Drives	
SSD	Yes
<ul style="list-style-type: none"> <li>Memory capacity</li> </ul>	256 Gbyte; Up to 512 GB SSD
TPM Security Chip	Yes
Storage	
Type of memory	DDR4-SDRAM SO-DIMM
Work memory	
<ul style="list-style-type: none"> <li>integrated</li> </ul>	4 Gbyte; 8 GB or 16 GB
Accumulator	
Replaceable	Yes; Lithium-ion battery
Capacity	5 900 mA·h
Battery runtime, min.	6 h; According to MobileMark 2014
Interfaces	
Number of industrial Ethernet interfaces	1
Number of RS 232 interfaces	1
Number of USB interfaces	3; USB 3.0
<ul style="list-style-type: none"> <li>Type A</li> </ul>	2

• Type C	1
Bluetooth radio standard	Yes; V4.0
Multimedia card/SD card slot	2 in 1 (SDHC UHS-II, MMC)
Universal Audio Jack	Yes; Audio socket for 3.5 mm jack
<b>Video interfaces</b>	
• DisplayPort	Yes; DP 1.2 (Mini DisplayPort)
<b>Industrial Ethernet</b>	
• Industrial Ethernet interface	1x Ethernet (RJ45)
— 100 Mbps	Yes
— 1000 Mbps	Yes
• IAMT (Intel Active Management Technology)	Yes
<b>WLAN</b>	
• Type	IEEE 802.11 a/b/g/n and ac
<b>Wireless transmission</b>	
• 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; Range depends on transponder
<b>Interrupts/diagnostics/status information</b>	
LED status display	Battery charge level, device status, access to drive, WLAN active, SD card, application LED
<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; ±4 kV contact discharge (to IEC 801-2/IEC 1000-4-2; ESD), ±8 kV air discharge (to IEC 801-2/IEC 1000-4-2; ESD)
<b>Interference immunity to cable-borne interference</b>	
• Interference immunity on supply cables	±2 kV (according to IEC 61000-4-4, burst); ±1 kV (according to IEC 61000-4-5, surge pulse/line to line); ±2 kV (according to IEC 61000-4-5, surge pulse/line to ground)
• Interference immunity on signal cables	±1 kV (according to IEC 61000-4-4, burst, length < 30 m); ±2 kV (according to IEC 61000-4-4, burst, length > 30 m); ±2 kV (according to IEC 61000-4-5, surge sym./line to ground, length > 30 m)
<b>Degree and class of protection</b>	
IP degree of protection	IP40
<b>Standards, approvals, certificates</b>	
CE mark	Yes
UL approval	Yes
DIN/ISO 9001	Yes
<b>Military use</b>	
• Conforms to MIL-STD-810G	Yes
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• min.	5 °C; Max. 10 °C/h (no condensation)
• max.	45 °C; Max. 10 °C/h (no condensation)
<b>Ambient temperature during storage/transportation</b>	
• min.	-20 °C; Max. 20 °C/h (no condensation)
• max.	60 °C; Max. 20 °C/h (no condensation)
<b>Relative humidity</b>	
• Operation, min.	5 %; At 30 °C/h (no condensation); Tested according to IEC 60068-2-78, IEC 60068-2-30, IEC 60068-2-14
• Operation, max.	85 %; At 30 °C/h (no condensation); Tested according to IEC 60068-2-78, IEC 60068-2-30, IEC 60068-2-14
<b>Vibrations</b>	
• Operation, tested according to IEC 60068-2-6	Yes
<b>Shock testing</b>	
• tested according to IEC 60068-2-27	Yes
<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 7	Yes; Ultimate 64 bit, SP1
• Windows 10	Yes; Windows 10 Enterprise 2016 LTSC, 64 bit, MUI

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	metal
• Magnesium alloy	Yes
Socket for Kensington lock	Yes
rubber corner guards	Yes
Dimensions	
Width	330 mm
Height	32 mm
Depth	214 mm
Weights	
Weight, approx.	1.6 kg; incl. rechargeable battery
Scope of supply	
Accumulator	Yes
Power supply	Yes
Recovery media	Yes; Restore & Recovery
Other	
free hotline	Yes
Note:	Made in Germany: development and production in Germany

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](#)



[Confirmation](#)



General Product Approval	EMV	Test Certificates	Maritime application
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[Miscellaneous](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Maritime application	other
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[CCS \(China Classification Society\)](#)

[Miscellaneous](#)

other		Dangerous goods	Environment		
<a href="#">Miscellaneous</a>	<a href="#">Confirmation</a>		<a href="#">Transport Information</a>	<a href="#">Environmental Confirmations</a>	<a href="#">Environmental Confirmations</a>

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