

SIMATIC ITP1000, 10" Multitouch (1.280 x 800), 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, Accu 5.900 mAh, Kensington Security Slot,



General information

Design of the programming device	Tablet PC
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Display

Design of display	10" multi-touch
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Resolution (pixels)

• Horizontal image resolution	1 280 Pixel
• Vertical image resolution	800 Pixel

General features

• Luminance	250 cd/m ²
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Backlighting

• Type of backlighting	LED
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Control elements

Keyboard fonts

• Design	Touch
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Touch operation

• Integrated touch pad	No
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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	
• permissible range, lower limit	47 Hz
• permissible range, upper limit	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
• Memory capacity	256 Gbyte; Up to 512 GB SSD
TPM Security Chip	Yes
Memory	
Type of memory	DDR4-SDRAM SO-DIMM
Work memory	
• integrated	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 RS 232 interfaces	1
Number of USB interfaces	3; USB 3.0
• Type A	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
Video interfaces	
• DisplayPort	Yes; DP 1.2 (Mini DisplayPort)
Industrial Ethernet	
• Industrial Ethernet interface	1 x Ethernet (RJ45)
— 100 Mbps	Yes
— 1000 Mbps	Yes
• IAMT (Intel Active Management Technology)	Yes

WLAN	
• Type	IEEE 802.11 a/b/g/n and ac
Integrated Functions	
Monitoring functions	
• Status LEDs	Battery charge level, device status, access to drive, WLAN active, SD card, application LED
EMC	
Interference immunity against discharge of static electricity	
• 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)
Interference immunity to cable-borne interference	
• 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)
Degree and class of protection	
Degree of protection acc. to EN 60529	IP40
Standards, approvals, certificates	
CE mark	Yes
Conforms to MIL-STD-810G	Yes
DIN/ISO 9001	Yes
Ambient conditions	
Ambient temperature during operation	
• min.	5 °C; Max. 10 °C/h (no condensation)
• max.	45 °C; Max. 10 °C/h (no condensation)
Ambient temperature during storage/transportation	
• min.	-20 °C; Max. 20 °C/h (no condensation)
• max.	60 °C; Max. 20 °C/h (no condensation)
Relative humidity	
• 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
Vibrations	
• Operation, tested according to IEC 60068-2-6	Yes
Shock testing	
• tested according to IEC 60068-2-27	Yes
Operating systems	

Additional info on operating system	Multi-Language User Interface (MUI): 6 languages (English, German, French, Spanish, Italian, Chinese)
pre-installed operating system	
• Windows 7	Yes; Ultimate 64 bit, SP1
Software	
Preinstalled	
• STEP 7 Professional 2010	No
• STEP 7 Professional (TIA Portal)	No
• WinCC flexible Advanced 2008	No
• WinCC Advanced (TIA Portal)	No
• STEP 5	No
Mechanics/material	
Material of housing	metal
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
Warranty period	36 mo; except for: rechargeable battery (6 months)
Note:	Made in Germany: development and production in Germany
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