

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); camera on the rear side, 5 megapixel; 512 GB SSD; Windows 7 Ultimate 64 bit SP1, MUI (de, en, fr, es, it); Celeron G3902E; 8 GB RAM; 110/230 V AC power supply unit, Power supply cable for Italy; without software (included);

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)

- | | |
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| • Horizontal image resolution | 1 280 Pixel; 1 920 pixels |
| • Vertical image resolution | 800 Pixel; 1 200 pixels |

General features

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|-------------|---|
| • Luminance | 250 cd/m ² ; 350 cd/m ² |
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Backlighting

- | | |
|------------------------|-----|
| • Type of backlighting | LED |
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Control elements

Keyboard fonts

- | | |
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| • 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
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permissible range, lower limit (AC)	100 V; ±10 %, sinusoidal
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permissible range, upper limit (AC)	240 V; ±10 %, sinusoidal
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Line frequency

- | | |
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| • 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)
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Hyper-threading	No
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Turbo Boost Technology 2.0	Yes
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Graphic

Graphics controller	Intel® HD graphics 530
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Drives	
SSD	Yes
<ul style="list-style-type: none"> • Memory capacity 	256 Gbyte; Up to 512 GB SSD
TPM Security Chip	Yes
Memory	
Type of memory	DDR4-SDRAM SO-DIMM
Work memory	
<ul style="list-style-type: none"> • 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 industrial Ethernet interfaces	1
Number of RS 232 interfaces	1
Number of USB interfaces	3; USB 3.0
<ul style="list-style-type: none"> • Type A • Type C 	2 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	
<ul style="list-style-type: none"> • DisplayPort 	Yes; DP 1.2 (Mini DisplayPort)
Industrial Ethernet	
<ul style="list-style-type: none"> • Industrial Ethernet interface <ul style="list-style-type: none"> — 100 Mbps — 1000 Mbps • IAMT (Intel Active Management Technology) 	1x Ethernet (RJ45) Yes Yes Yes
WLAN	
<ul style="list-style-type: none"> • Type 	IEEE 802.11 a/b/g/n and ac
Wireless transmission	
<ul style="list-style-type: none"> • Protocol for wireless transmission • Operating frequency (rated value) 	Legic Prime, Legic Advant, ISO 15693, ISO 14443 A/B 13.56 MHz
Interrupts/diagnostics/status information	
LED status display	Battery charge level, device status, access to drive, WLAN active, SD card, application LED
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 	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)

Standards, approvals, certificates	
CE mark	Yes
UL approval	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	
Local language of 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
• 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
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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
last modified:	08/21/2020