

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, RFID and barcode reader; 256 GB SSD; Windows 10 Industry, 64 bit; Core I5-6442EQ; 8 GB RAM; 110/230 V AC power supply unit, Power supply cable for USA; without software (included);

General information

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| Design of the programming device | Tablet PC |
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Display

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

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

General features

- Luminance 220 cd/m²

Backlighting

- Type of backlighting LED

Control elements

Keyboard fonts

- Design Touch

Touch operation

- Integrated touch pad No

Supply voltage

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| 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

- permissible range, lower limit 47 Hz
- permissible range, upper limit 63 Hz

Processor

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|----------------|---|
| 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

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|---------------------|------------------------|
| Graphics controller | Intel® HD graphics 530 |
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| Drives | |
|---|---|
| SSD | Yes |
| <ul style="list-style-type: none"> Memory capacity | 256 Gbyte |
| 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 | 2 |
| <ul style="list-style-type: none"> 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 | |
| <ul style="list-style-type: none"> DisplayPort | Yes; DP 1.2 (Mini DisplayPort) |
| Industrial Ethernet | |
| <ul style="list-style-type: none"> Industrial Ethernet interface | 1x Ethernet (RJ45) |
| <ul style="list-style-type: none"> <ul style="list-style-type: none"> 100 Mbps | Yes |
| <ul style="list-style-type: none"> <ul style="list-style-type: none"> 1000 Mbps | Yes |
| <ul style="list-style-type: none"> IAMT (Intel Active Management Technology) | 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"> Operating frequency (rated value) | 13.56 MHz |
| <ul style="list-style-type: none"> Range, max. | 30 mm |
| 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 | |
| <ul style="list-style-type: none"> 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

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

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

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|----------------------------|--|
| • 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 |
| last modified: | 02/13/2020 |