

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 (1920 x 1200); camera on the rear side, 5 megapixel; 256 GB SSD; Windows 10 Enterprise 2019 LTSC, 64-bit; MUI (en, de, fr, it, es); Core i5-6442EQ; 16 GB RAM; 110/230 V AC power supply unit, Power supply cable for USA; without software (included);

| General information | |
|--|---|
| Design of the programming device | Tablet PC |
| Display | |
| Design of display | 10" multi-touch |
| Resolution (pixels) | |
| • Horizontal image resolution | 1 280 pixel; 1 920 pixels |
| • Vertical image resolution | 800 pixel; 1 200 pixels |
| General features | |
| • Luminance | 220 cd/m ² ; 350 cd/m ² |
| Backlighting | |
| • Type of backlighting | LED |
| Control elements | |
| Keyboard fonts | |
| • Design | Touch |
| Touch operation | |
| • Integrated touch pad | 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 | |
| • 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 industrial Ethernet interfaces | 1 |
| 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 | 1x 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 |
| Wireless transmission | |
| • 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 |
| 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 | |
| • 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 | |
| IP degree of protection | IP40 |
| Standards, approvals, certificates | |
| CE mark | Yes |
| UL approval | Yes |
| DIN/ISO 9001 | Yes |
| Military use | |
| • Conforms to MIL-STD-810G | 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)
- STEP 7
- WinCC flexible Advanced 2008
- WinCC Advanced (TIA Portal)
- STEP 5

No
No
No
No
No

Mechanics/material

| | |
|---|-------|
| Material of housing | metal |
| <ul style="list-style-type: none"> • 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 |

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