

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; Windows 7 Ultimate 64 bit SP1, MUI (de, en, fr, es, it); Celeron G3902E; 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)                      |   |
| • Horizontal image resolution            | 1 280 pixel; 1 920 pixels   |
| • Vertical image resolution              | 800 pixel; 1 200 pixels   |
| General features                         |   |
| • Luminance                              | 220 cd/m <sup>2</sup> ; 350 cd/m <sup>2</sup>   |
| 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  |
| <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  |
| <b>Software</b>   |  |
| <b>Preinstalled</b>   |  |
| • 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"> <li>• Magnesium alloy</li> </ul> | 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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