

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 10 Enterprise 2015 LTSB, 64-bit; MUI (en,de,fr,it,es); Celeron G3902E; 8 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)  |   |
| <ul style="list-style-type: none"> <li>Horizontal image resolution</li> </ul>    | 1 280 pixel; 1 920 pixels   |
| <ul style="list-style-type: none"> <li>Vertical image resolution</li> </ul>      | 800 pixel; 1 200 pixels   |
| General features   |   |
| <ul style="list-style-type: none"> <li>Luminance</li> </ul>                      | 220 cd/m <sup>2</sup> ; 350 cd/m <sup>2</sup>   |
| Backlighting   |   |
| <ul style="list-style-type: none"> <li>Type of backlighting</li> </ul>           | LED   |
| Control elements   |   |
| Keyboard   |   |
| <ul style="list-style-type: none"> <li>Design</li> </ul>                         | Touch   |
| Touch operation  |   |
| <ul style="list-style-type: none"> <li>Integrated touch pad</li> </ul>           | 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   |   |
| <ul style="list-style-type: none"> <li>permissible range, lower limit</li> </ul> | 47 Hz   |
| <ul style="list-style-type: none"> <li>permissible range, upper limit</li> </ul> | 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   |
| <ul style="list-style-type: none"> <li>Memory capacity</li> </ul>                | 256 Gbyte; Up to 512 GB SSD   |
| TPM Security Chip  | Yes   |
| Storage  |   |
| Type of memory   | DDR4-SDRAM SO-DIMM  |
| Work memory  |   |
| <ul style="list-style-type: none"> <li>integrated</li> </ul>                     | 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 LTSP, 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 |
|-----------------|------------------------------------|

### 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 |

### Classifications

|        | Version | Classification |
|--------|---------|----------------|
| eClass | 14      | 19-01-02-01    |
| eClass | 12      | 19-01-02-01    |
| eClass | 9.1     | 19-01-02-01    |
| eClass | 9       | 19-01-02-01    |
| eClass | 8       | 19-01-02-01    |
| eClass | 7.1     | 19-01-02-01    |
| eClass | 6       | 19-01-02-01    |
| ETIM   | 10      | EC001414       |
| ETIM   | 9       | EC001414       |
| ETIM   | 8       | EC001414       |
| ETIM   | 7       | EC001414       |

### Approvals / Certificates

#### General Product Approval



[Miscellaneous](#)



[Confirmation](#)



General Product Approval

EMV

Test Certificates

Maritime application



EG-Konf.



RCM

[Miscellaneous](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



ABS

Maritime application

other



[CCS \(China Classification Society\)](#)

[Miscellaneous](#)

| other |  | Dangerous goods | Environment |  |  |
|-------|--|-----------------|-------------|--|--|
|-------|--|-----------------|-------------|--|--|

[Miscellaneous](#)

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