

SIMATIC ITP1000

SIMATIC Industrial Tablet PC Technical Data

Display	Design of display	10" multi-touch
	Resolution (pixels)	1.280 x 800 Pixel
	General features	
	Luminance	250 cd/m ²
	Type of backlighting	LED
Control elements	Keyboard fonts	Touch
	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, 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 Gbyte 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 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 interface	1 x Ethernet (RJ45)
	– 100 Mbps	Yes
	– 1000 Mbps	Yes
IAMT (Intel Active Management Technology)	Yes	
WLAN	IEEE 802.11 a/b/g/n and ac	

Integrated Functions	Monitoring functions Status LEDs	Battery charge level, device Status, access to drive, WLAN active, SD card, application LED
EMC	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 interferences Interference immunity on supply cables	± 2 kV (acc. to IEC 61000-4-4, burst); ± 1 kV (acc. to IEC 61000-4-5, surge pulse / line to line); ± 2 kV (acc. to IEC 61000-4-5, surge pulse / line to ground)
	Interference immunity on signal cables	± 1 kV (acc. to IEC 61000-4-4, burst, length < 30 m); ± 2 kV (acc. to IEC 61000-4-4, burst, length > 30 m); ± 2 kV (acc. to IEC 61000-4-5, surge pulse / 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
	Conforms to MIL-STD-810G	Yes
	DIN/ISO 9001	Yes
Ambient conditions	Ambient temperature during operation • min. • max.	5 °C; Max. 10 °C/h (no condensation) 45 °C; Max. 10 °C/h (no condensation)
	Ambient temperature during storage/ transportation • min. • max.	-20 °C; Max. 20 °C/h (no condensation) 60 °C; max. 20 °C/h (no condensation)
	Relative humidity • Operation, min. • Operation, max.	5 %; At 30 °C/h (no condensation); Tested acc. to IEC 60068-2-78, IEC 60068-2-30, IEC 60068-2-14 85 %; At 30 °C/h (no condensation); Tested acc. to IEC 60068-2-78, IEC 60068-2-30, IEC 60068-2-14
	Vibrations Operation, tested acc. to IEC 60068-2-6	Yes
	Shock testing tested acc. to IEC 60068-2-27	Yes
	Operatin systems	Additional info on operating system
	preinstalled operating system Windows 7	Yes; Ultimate 64 bit, SP1
Software	preinstalled • STEP 7 Professional 2010 • STEP 7 Professional (TIA Portal) • WinCC flexible Advanced 2008 • WinCC Advanced (TIA Portal) • STEP 5	No No No No No
Mechanics/material	Material: Magnesium alloy Material of housing Socket for Kensington lock rubber corner guards	Yes metal Yes Yes
Dimensions	Width x Height x Depth	330 mm x 32 mm x 214 mm
Weights	Weight, approx.	1,6 kg; incl. rechargeable battery
Scope of supply	Aocumulator	Yes
	Power supply	Yes
	Recovery media	Yes; Restore & Recovery
Other	free hotline	Yes
	Warranty period	36 mo; except for: rechargeable battery (6 mo)

Note: Made in Germany: development and production in Germany, last modified: 22.05.2018