

no longer available SIMATIC Panel PC 677B 2x10/100/1000 Mbit/s Ethernet; 4 x USB V2.0, 1x serial (COM1); 15" Touch, 1024x768; USB interface at the front 110/230 V AC power supply with NAMUR, power supply cable Europe; Core 2 Duo T5500, 1.66 GHz; 2 MB SLC, 2 x PCI; 1 GB DDR2 RAM; 160 GB SATA HDD 3.5", DVD +-R +-RW; PROFIBUS/MPI; Windows XP Prof. MUI (de,en,fr,es,it,ja,zh,ko)



| General information | |
|--------------------------------|---|
| Product type designation | SIMATIC Panel PC 677B 15" touch |
| Display | |
| Design of display | 15" TFT touch |
| Screen diagonal | 15 in |
| Resolution (pixels) | |
| • Horizontal image resolution | 1 024 Pixel |
| • Vertical image resolution | 768 Pixel |
| General features | |
| • Expansion components | Uninterruptible power supply (USP), SIMATIC NET communication modules |
| Backlighting | |
| • MTBF backlighting (at 25 °C) | 50 000 h |
| Control elements | |
| Input device | |
| • Mouse, at front | No |
| Keyboard fonts | |
| • Function keys | No |

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|---|---|
| — Number of function keys | 0 |
| • alphanumeric keyboard | No |
| Touch operation | |
| • Design as touch screen | Yes |
| Installation type/mounting | |
| central design | Yes |
| distributed design | Yes; by means of remote kit |
| maximum permissible installation angle +/- | 20° |
| Supply voltage | |
| Type of supply voltage | 100/240 V AC (autorange) 50/60 Hz; optional 24 V DC |
| Line frequency | |
| • Rated value 50 Hz | Yes |
| • Rated value 60 Hz | Yes |
| Power loss | |
| In full configuration | 140W max. (15W included per slot) |
| Processor | |
| Processor type | Intel Core 2 Duo technology; Intel Celeron M 440, 1.86 GHz, 533 MHz FSB, 1 MB SLC; Core 2 Duo T5500, 1.66 GHz, 667 MHz FSB, 2 MB SLC; Core 2 Duo T7400, 2.16 GHz, 667 MHz FSB, 4 MB SLC |
| Drives | |
| Optical drives | Optional: DVD±R±RW combi drive; on rear, can be operated from side |
| Hard disk | 3.5" SATA hard disk ≥ 160 GB, optional ≥ 250 GB, optional: 2 x 2.5" SATA hard disk module (≥ 80 GB), RAID 1 controller onboard; all drives are vibration-damped |
| Memory | |
| Main memory | 512 MB to 4 GB |
| Capacity of main memory, max. | 4 096 Mbyte; At least 3.2 GB can be used |
| Data areas and their retentivity | |
| Retentive data area (incl. timers, counters, flags), max. | 2 MB battery-backed only DC power supply WinAC RTX 2005 SP1 or higher |
| Hardware configuration | |
| Slots | |
| • free slots | 2x PCI or 1x PCI & 1x PCIe (x4) (slots with card retainer), 1x slot for CompactFlash Card |
| • Number of PCI slots | 2 |
| • Number of compact flash slots | 1 |
| Interfaces | |
| PROFIBUS/MPI | 1 |

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| USB port | 1x at front, 4x at rear, USB 2.0 (500 mA) |
| Connection for keyboard/mouse | USB / USB |
| serial interface | COM1: 1 x V.24 (RS232) |
| Video interfaces | |
| <ul style="list-style-type: none"> Graphics interface | DVI-I usable for additional display unit (VGA via adapter); color depth 32 bits, 8 to 128 MB Shared Memory |
| Industrial Ethernet | |
| <ul style="list-style-type: none"> Industrial Ethernet interface | Onboard, 2 x 10/100/1000 Mbit/s, RJ45, no plug-in card necessary |
| <ul style="list-style-type: none"> — 100 Mbps | Yes |
| <ul style="list-style-type: none"> — 1000 Mbps | Yes |
| Integrated Functions | |
| Monitoring functions | |
| <ul style="list-style-type: none"> Temperature monitoring | Yes |
| <ul style="list-style-type: none"> Watchdog | Yes |
| <ul style="list-style-type: none"> Status LEDs | Yes |
| Degree and class of protection | |
| IP (at the front) | IP65 or IP66k (15" INOX) |
| Standards, approvals, certificates | |
| Approval | CE, cULus (508) |
| CE mark | Yes |
| EMC | CE, EN 55011, EN 61000-6-4, EN 61000-6-2 |
| Marine approval | |
| <ul style="list-style-type: none"> Germanischer Lloyd (GL) | No |
| <ul style="list-style-type: none"> American Bureau of Shipping (ABS) | No |
| <ul style="list-style-type: none"> Bureau Veritas (BV) | No |
| <ul style="list-style-type: none"> Det Norske Veritas (DNV) | No |
| <ul style="list-style-type: none"> Lloyds Register of Shipping (LRS) | No |
| <ul style="list-style-type: none"> Polski Rejestr Statkow (PRS) | No |
| Ambient conditions | |
| Ambient temperature during operation | |
| <ul style="list-style-type: none"> Ambient temperature during operation | 12", 15": +5 °C to +50 °C in maximum configuration 17", 19": +5 °C to +45 °C in maximum configuration |
| Relative humidity | |
| <ul style="list-style-type: none"> Relative humidity | Tested to DIN IEC 60068-2-3, DIN IEC 60068-2-30, DIN IEC 60068-2-56: 5% to 80% at 25 °C (no condensation) |
| Vibrations | |
| <ul style="list-style-type: none"> Vibration resistance during operation acc. to IEC 60068-2-6 | Tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s ² (1 g) |
| Shock testing | |
| <ul style="list-style-type: none"> Shock load during operation | Tested to DIN IEC 60068-2-29: 50 m/s ² (5 g), 30 ms, 100 shocks |

| Operating systems | |
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| Operating system | Windows 2000 Prof. (Multi-Language), Windows XP Prof. (Multi-Language), Windows Vista Ultimate 32 bit, Windows Server 2003 Standard 32 bit (incl. 5 clients), Windows XP embedded (English) on CF card, opt. without operating system |
| pre-installed operating system | Yes |
| Additional info on operating system | Multi-Language: Windows 2000, XP: DE, EN, IT, FR, SP, KOR, CHN (traditional), CHN (simplified), JPN, Windows Vista and Server 2003: DE, EN, IT, FR, SP; further languages downloadable from Microsoft |
| without operating system | Yes |
| pre-installed operating system | |
| <ul style="list-style-type: none"> Windows XP Professional | Yes |

| Software | |
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| SIMATIC Software | Optionally in package with SIMATIC WinCC or WinCC flexible |

| Accessories | |
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| Accessory components | Touch protective foil (not for Inox front), remote kit |

| Dimensions | |
|---|--|
| Width of the housing front | 310 mm |
| Height of housing front | 482 mm |
| Overall depth | 124 mm |
| <ul style="list-style-type: none"> additional mounting depth (optical drive) | 21 mm |
| Operator control unit (W x H) in mm | 483 mm x 310 mm (19", 7 HU) |
| <ul style="list-style-type: none"> Operator panel width Operator panel height | 483 mm 310 mm |
| Install. dimensions, centralized design (W x H x D without optical drive) in mm | 450x290x121 |
| <ul style="list-style-type: none"> Width Height Depth | 450 mm 290 mm 121 mm |
| Install. dimensions, operator panel with distributed design (W x H x D) in mm | 450x290x85 |
| Install. dimensions, computer unit with distributed design (W x H x D) in mm | 298 mm x 301 mm x 100 mm; (298 mm x 301 mm x 80 mm without CD) |
| Mounting cutout/device depth (W x H x T) | 450 mm x 290 mm / 142 mm (incl. optical drive) |

| Weights | |
|-------------------------------------|-------|
| Panel PC in central design, approx. | 14 kg |

| Other | |
|-----------------------|------------------------|
| Warranty period | 24 mo; Warranty period |
| last modified: | 06/15/2018 |