SIEMENS

*** SPARE PART*** SIMATIC PANEL PC 677 15" KEY, 1024X768; STANDARD AC110-230V, POWER CABLE EUROPE PENTIUM M770/1.6 GHZ; 533 MHZ FSB; 2MB SLC; 512MB DDR266 SDRAM (1X512MB); 80 GBYTE SATA HARD DRIVE (3.5") DVD-ROM; W/O OPERATING SYSTEM

Display	
Design of display	15" TFT
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	Yes
Keyboard fonts	
● Function keys	Yes
— Number of function keys	36
● alphanumeric keyboard	Yes
Touch operation	
● Design as touch screen	No

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	110/230 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 Pentium M Technology (2nd Generation); Intel Celeron M 370, 1.5 GHz, 400 MHz FSB, 1MB SLC; Intel Pentium M 730, 1.6 GHz, 533 MHz FSB, 2MB SLC; Intel Pentium M 760, 2.0 GHz, 533 MHz FSB, 2MB SLC

Drives	
Optical drives	optional: DVD-ROM or DVD±R±RW combi drive; on rear, can be operated from side
Diskette drive	optional: via external USB floppy disk drive
Hard disk	3.5" SATA-RAID hard disk ≥ 40 GB, optional ≥ 80 GB, optional: 2x 2.5" SATA hard disk module(≥ 60GB). RAID1 controller on board. All drives with vibration-resistant mountings.

Memory	
Type of memory	DDR2-533
Main memory	256 MB to 2 GB
Capacity of main memory, max.	2 048 Mbyte

Hardware configuration

Slots	
• free slots	2x PCI (slots with board retainer), 1x slot for Compact Flash Card
• Number of PCI slots	2
• Number of compact flash slots	1

Interfaces	
PROFIBUS/MPI	onboard, electrically isolated, max. 12 Mbps, no plug-in card necessary, CP 5611-compatible
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)
parallel interface	optional: via PCI card

Video interfaces	
• Graphics interface	DVI-I usable for additional display unit (VGA via adapter); color depth 32 bits, 8 to 128 MB Shared Memory

Industrial Ethernet	
• Industrial Ethernet interface	Onboard, 2 x 10/100 Mbit/s, RJ45, no plug-in card necessary
— 100 Mbps	Yes
— 1000 Mbps	No

Integrated Functions

Monitoring functions	
• Temperature monitoring	Yes
• Watchdog	Yes
• Status LEDs	Power, temperature (on front panel)

Degree and class of protection

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IP (at the front)	IP65 (on front) to EN60529 and NEMA4

Standards, approvals, certificates

Approval	CE, cULus (508)
CE mark	Yes
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
• EN 61000-6-2	Yes

Marine approval

• Germanischer Lloyd (GL)	No
• American Bureau of Shipping (ABS)	No
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	No
• Lloyds Register of Shipping (LRS)	No
• Polski Rejestr Statkow (PRS)	No

Ambient conditions

Ambient temperature during operation

• Ambient temperature during operation	With full configuration: +5 °C to +45 °C or +5 °C to +50 °C in installation space, if max. 40 °C at front
• min.	5 °C
• max.	50 °C

Relative humidity

• 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

• Vibration load in operation	Tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)

Shock testing

• Shock load during operation	Tested to DIN IEC 60068-2-29: 50 m/s² (5 g), 30 ms, 100 shocks

Operating systems

Operating system	Windows 2000 Prof. (Multi-Language), Windows XP Prof. (Multi-Language), opt. without operating system
pre-installed operating system	Yes
Additional info on operating system	Multi-Language: DE, EN, IT, FR, SP, KOR, CHN (Traditional), CHN (Simplified), JPN
without operating system	Yes

pre-installed operating system

• Windows XP Professional	Yes

Software

SIMATIC Software	Optionally in package with SIMATIC WinCC or WinCC flexible

Accessories

Accessory components	Slide-in keyboard labels, direct key module, remote kit

Dimensions

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Overall depth	
• additional mounting depth (optical drive)	20 mm
Operator control unit (W x H) in mm	483 mm x 355 mm (19", 8 HU)
• Operator panel width	483 mm
• Operator panel height	355 mm
Install. dimensions, centralized design (W x H x D without optical drive) in mm	450 mm x 321 mm x 123 mm
• Width	450 mm
• Height	321 mm
• Depth	123 mm
Install. dimensions, operator panel with distributed design (W x H x D) in mm	450 mm x 321 mm x 89 mm
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 321 mm / 141 mm (incl. optical drive)

Weights	
Panel PC in central design, approx.	16 kg

Other	
Warranty period	24 mo; Warranty period
last modified:	08/29/2017