

# SIEMENS

## Product data sheet

**6AV7830-0BA10-1CC0**


SIMATIC PANEL PC 577B;  
 12" TOUCH (800X600);  
 WINDOWS XP PROF MUI;  
 AC 110/230V NAMUR;  
 CEL M 440: 1,86 GHZ, 1MB L2;  
 1 GB RAM DDR2;  
 160GB SATA HDD 3,5";  
 DVD+/-R+/-RW;  
 INTERFACES: 2X PCI,  
 2X ETHERNET 1GBIT/S, 4X USB 2.0 500MA,  
 1X FRONT-USB 2.0 500MA,  
 1X SERIELL (COM1) POWER CORD EU AND US  
 INCLUDED

<b>Operator control and monitoring</b>	
Accessory components	Touch protective foil
<b>Display</b>	
Size	12.1" TFT Touch
<b>Resolution (pixels)</b>	
Resolution (WxH in pixel)	800 x 600
<b>General features</b>	
Front panel	12" TFT Touch
Expansion components	Uninterruptible power supply (USP), SIMATIC NET communication modules
<b>Backlighting</b>	
MTBF backlighting (at 25 °C)	50000 h in 24 h permanent operation, temperature-dependent
<b>Control elements</b>	
Function keys	No
<b>Touch operation</b>	

Touch screen (analog/resistive)	Yes
<b>Supply voltage</b>	
Power supply / Input / Input voltage	
Supply voltage	100 V/240 V AC (autorange) 50/60 Hz
<b>Power losses</b>	
Power loss in full configuration	140 W max. (17.5 W included per slot)
<b>Processor</b>	
Processor	Intel Celeron M 440, 1.86GHz, 533 MHz FSB, 1MB SLC
<b>Memory</b>	
Main memory	1 GB
Capacity of main memory, maximum	4096 Mbyte ; (at least 3.2 GB can be used)
<b>Drives</b>	
Diskette drive	optional: via external USB floppy disk drive
Optical drives	DVD±R±RW combi drive; on rear, can be operated from side
Hard disk	3.5" SATA hard disk ≥ 80 GB, vibration-resistant mounting
<b>Cables</b>	
Warranty	24 months liability for defects
<b>Interfaces</b>	
PROFIBUS/MPI	0
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)
Free slots	2x PCI (slots with board retainer), 1x slot for Compact Flash Card
Number of slots /compliant with PCI	2
Number of compact flash slots	1
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Graphics interface	DVI-I usable for additional display unit (VGA via adapter); color depth 32 bits, 8 to 128 MB Shared Memory
<b>Industrial Ethernet</b>	
Industrial Ethernet interface	2

100 Mbit	Yes
1000 Mbit	Yes
<b>Monitoring functions</b>	
Temperature	Yes
Watchdog	Yes
Status LEDs	No
<b>Ambient conditions</b>	
<b>UMW / Operating temperature</b>	
Ambient temperature in operation	In full configuration: +5 °C to +45 °C or +5 °C to +50 °C in installation space, if max. 40 °C at front
<b>UMW / Relative humidity</b>	
Relative humidity	Tested to DIN IEC 68-2-3, DIN IEC 68-2-30, DIN IEC 68-2-56: 5% to 80% at 25 °C (no condensation)
<b>UMW / Vibration</b>	
Vibration load in operation	tested to IEC 68-2-6: 10 to 58 Hz: 0.075 mm, 58 to 200 Hz: 9.8 m/s <sup>2</sup> (0.25g)
<b>UMW / Shock testing</b>	
Shock loading in operation	tested to IEC 68-2-29: 50 m/s <sup>2</sup> (1g), 30 ms, 100 shocks
maximum permissible installation angle +/-	20°
<b>UMW / Degree of protection and class of protection</b>	
Front acc. to EN 60529	IP65 (on front) to EN60529 and NEMA4
<b>Standards, approvals, certificates</b>	
Approval	CE, cULus (508)
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
<b>Operating systems</b>	
Operating system	Windows XP Prof. optional: without operating system
Additional info on operating system	Multi Language: GER, ENG, ITAL, FR, SP, KOR, CHN (Traditional), CHN (Simplified), JPN - not with XPe
<b>Design</b>	
central design	Yes
distributed design	No
<b>Dimensions and weight</b>	
<b>Dimensions</b>	
Mounting cutout/device depth (W x H / D)	368x290 / 144 (incl. optical drive)

Install. dimensions, centralized design (W x H x D without optical drive) in mm	368x290x123
additional mounting depth (optical drive)	21 mm
Operator control unit (W x H) in mm	400x310 (7 HU)
<b>Weight</b>	
Panel PC in central design, approx.	13 kg
Status	May 16, 2011