SIEMENS

Data sheet 6AV7260-2....-....

SIMATIC IPC677D (PANEL PC), 2X10/100/1000 MBIT/S ETHERNET; 4XUSB V3.0, 1 X SERIAL (COM1); WATCHDOG, TEMPERATURE AND FAN CONTROL; RAID-CONTROLLER ON BOARD; 22" TOUCH (1920 X 1080); WITH FRONT USB;



Figure similar

General information	
Product type designation	IPC677D
Display	
Design of display	22" TFT touch
Screen diagonal	22 in
Resolution (pixels)	
Horizontal image resolution	1 920 Pixel
 Vertical image resolution 	1 080 Pixel
Backlighting	
 MTBF backlighting (at 25 °C) 	30 000 h
Control elements	
Input device	
Mouse, at front	Front USB 2.0 (500mA)
Touch operation	
Design as touch screen	Yes; analog, resistive
Installation type/mounting	

Mounting	For horizontal and vertical mounting
Design	Panel PC, built-in unit
central design	Yes
Mounting in portrait format possible	Yes
maximum permissible installation angle +/-	20°
Supply voltage	
Type of supply voltage	100/240 V AC (autorange); 24 V DC
Line frequency	
• Rated value 50 Hz	Yes
Rated value 60 Hz	Yes
Mains buffering	
 Mains/voltage failure stored energy time 	10 ms
Power loss	
In full configuration	165 W
Processor	
Processor type	Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-
9	4330TE (2C/4T, 2.4 GHz, 4 MB Cache); Xeon E3-1268L v3
	(4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT)
Chipset	Intel DH82C226 PCH
Graphic	
Graphics controller	Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD
	graphics controller (Celeron)
Drives	
Optical drives	DVD±R±RW combi-drive, optional
Hard disk	3.5" SATA ≥ 250 GB, optional ≥ 500 GB; RAID1 2x 2.5" SATA ≥
	320 GB; all internal drives are vibration-damped
SSD	Yes; ≥ 240 GB optional
Memory	
Type of memory	DDR3 1600 DIMM
Main memory	2 / 4 / 8 / 16 GB; ECC optional
Capacity of main memory, max.	16 Gbyte
Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags),	2 Mbyte; 128 KB can be stored in the buffer time; optional
max.	
Hardware configuration	
Slots	
• free slots	2x PCI; optional: 1x PCI & 1x PCIe (x16); 2x PCIe (x4, x16); with
	card retainer
Number of PCI slots	2
Number of PCI slots	2

nterfaces		
PROFIBUS/MPI	Optionally onboard, isolated, max. 12 Mbit/s, compatible with CP 5622	
Number of PROFINET interfaces	3; Optional	
USB port	4x USB 3.0	
Connection for keyboard/mouse	USB / USB	
serial interface	1x COM1 (RS 232), optional: 1x COM2 (RS 232)	
parallel interface	optional LPT1	
Video interfaces		
Graphics interface	1x DisplayPort and 1x DVI-I; 1x VGA via adapter cable (optional)	
Industrial Ethernet		
Industrial Ethernet interface	Onboard, 2x 10 / 100 / 1000 Mbit, RJ45	
— 100 Mbps	Yes	
— 1000 Mbps	Yes	
ntegrated Functions		
Monitoring functions		
 Temperature monitoring 	Yes	
Watchdog	Yes	
Status LEDs	Yes	
● Fan	Yes	
Monitoring function via network	Optional	
EMC		
Interference immunity against discharge of static electric	city	
 Interference immunity against discharge of static electricity 	±6 kV contact discharge acc. to IEC 61000-4-2; ±8 kV air discharge acc. to IEC 61000-4-2	
Interference immunity against high-frequency electromagnetic fields		
 Interference immunity against high frequency radiation 	10 V/m for 80 - 1000 MHz and 1.4 - 2 GHz, 80% AM acc. to IEC 61000-4-3; 3 V/m for 2 - 2.7 GHz, 80% AM acc. to IEC 61000-4-3; 10 V for 10 kHz - 80 MHz, 80% AM acc. to IEC 61000-4-6	
Interference immunity to cable-borne interference		
Interference immunity on supply cables	±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric	
 Interference immunity on signal cables >30m 	±2 kV acc. to IEC 61000-4-5, surge, length > 30 m	
• Interference immunity on signal cables < 30m	±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m	
Interference immunity against voltage surge		
asymmetric interference	±2 kV acc. to IEC 61000-4-5, surge asymmetric	
• symmetric interference	±1 kV acc. to IEC 61000-4-5, surge symmetric	
Interference immunity to magnetic fields		
 Interference immunity to magnetic fields at 50 Hz 	100 A/m; to IEC 61000-4-8	
Emission of conducted and non-conducted interference		

• Interference emission via line/AC current
cables

EN 61000-6-3, EN 61000-6-4, CISPR 22 Class B, FCC Class A

cables	
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
Standards, approvals, certificates	Vac
CE mark	Yes
UL approval	Yes
• UL 508	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
FCC	Yes
EMC	CE, EN 61000-6-4:2007, EN 61000-6-2:2005
Ambient conditions	
Ambient temperature during operation	
Ambient temperature during operation	+5 °C to +45 °C with full configuration
• min.	5 °C
• max.	45 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
Relative humidity	Tested according to IEC 60068-2-78, IEC 60068-2-30: 5% to 80%
	at 25 °C (no condensation)
Vibrations	
 Vibration resistance during operation acc. to IEC 60068-2-6 	Tested according to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to 500 Hz 9.8 m/s² (1g)
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 7 Ultimate 32-bit/64-bit, MUI; Windows 10 IoT Enterprise LTSB 2015, 64-bit, MUI; Windows Embedded Standard 7 P, 32-bit, MUI
pre-installed operating system	Yes
without operating system	Yes
pre-installed operating system	
• Windows 7	Yes; Ultimate 32 bits or 64 bits
 Windows 10 IoT Enterprise 	Yes; LTSB 2015, 64-bit, MUI
Software	
SIMATIC Software	Optional package with SIMATIC WinCC or WinAC RTX

Dimensions	
Width of the housing front	560 mm
Height of housing front	380 mm
Overall depth	
 additional mounting depth (optical drive) 	26 mm
Mounting cutout/device depth (W x H x T)	542 mm x 362 mm x 112 mm

Weights	
Panel PC in central design, approx.	16 kg
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