SIEMENS

Data sheet

6AV7260-0FM30-0BA1

SIMATIC IPC677D (Panel PC), 2x10/100/1000 Mbit/s Ethernet; 4x USB V3.0, 1x serial (COM1); Watchdog, temperature and Fan monitoring; RAID controller onboard; 15" Touch (1280x 800); with front USB Core I3-4330TE (2C/4T, 2.4 GHz, 4 MB cache, VT-X); PROFINET (IRT, 3 ports, CP 1616-compatible); 2 MB buffered SRAM Solid-state drive 240 GB 8 GB DDR3 1600 DIMM; 2x PCI without expansion (HW) Windows 7 Ultimate 64 bit SP1, MUI (de, en, fr, es, it) SIMATIC IPC DiagMonitor enclosed AC 110/230V industrial power supply unit with NAMUR; Power supply cable UK

General information IPC60tCl type designation Product type designation IPC677D Design of display 19° TFT touch Screen diagonal 15 in Resolution (pixels) 1 280 pixel • Morizontal image resolution 800 pixel Backlighting • More than age resolution • MTRF backlighting (#2.5 °C) 80 000 h Control elements • Mouse, at front • Mouse, at front Front USB 2.0 (500mA) Totach operation • Vers; analog, resistive Installation type/mounting • Pront USB 2.0 (500mA) Mounting — Panel PC, bulk-1 unit Oesign Panel PC, bulk-1 unit • Centrol densition Yes Mounting in portrait format possible Yes Supply voltage 100/240 V AC (autorange); 24 V DC Une frequency • • Mains buffering • <tr< th=""><th></th><th>Power supply cable UK</th></tr<>		Power supply cable UK
Display 15° TFT touch Design of display 15° TFT touch Screen diagonal 15 in Resolution (pixels) 800 pixel • Hortzontal image resolution 800 pixel Backlighting 600 pixel • MTBF backlighting (at 25 °C) 80 000 h Control elements 100 pixel Input device • • Mouse, at front Front USB 2.0 (500mA) Touch operation Yes; analog, resistive Instalisation type/mounting For horizontal and vertical mounting Design Perat PC, bulkin unit Centrol design Perat PC, bulkin unit Centrol design Yes Mounting in portrait format possible Yes Mounting in portrait format possible Yes Mounting in portrait format possible Yes Read value 50 Hz Yes • Rated value 50 Hz Yes • Rated value 50 Hz Yes • Mains/voltage failure stored energy time 10 ms Processor Celeron G1820TE (2CZT, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/FT, 2.4 GFz, 4 MB Cache); Zer GFAT & 320 GF </td <td>General information</td> <td></td>	General information	
Design of display 15" TFT touch Screen diagonal 15 in Resolution (Resis) 1280 pixel • Horizontal image resolution 1280 pixel • Wortical image resolution 800 pixel Backinghing 6 • MTBF backlighting (at 25 °C) 80 000 h • Mouse, at front Front USB 2.0 (500mA) Touch operation • • Design as bouch screen Yes; analog, resistive Installation typoimounting For horizontal and vertical mounting Outring elements • Outring in portrait format possible Yes Mounting in portrait format possible Yes Type of supply voltage 100/240 V AC (autorange); 24 V DC Unine frequency • Values 00 Hz Yes • Rated value 60 Hz Yes • Mains/voltage failure stored energy time 10 ms Processor Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2.4 GHz, 2 MAT) Chipset Intel DH82C226 PCH Graphics controller Intel DH82C226 PCH Graphics controller Sto SATA ≥ 100 GB, gotional: 3.5" SATA ≥ 17E; RADT 2x 2.5" SATA ≥ 17E; RADT 2x 2.5" SATA ≥ 17E; RADT 2x 2.5" SATA ≥ 320 GB byte in removable drive by Briad Briadonal disk drives 3.5" SATA ≥ 17E; RADT 2x 2.5" SATA ≥ 320 GB byte	Product type designation	IPC677D
Screen diagonal 15 in Resolution (pixels)	Display	
Screen diagonal 15 in Resolution (pixels)	Design of display	15" TFT touch
Resolution (pixels) 1 280 pixel • Vertical image resolution 800 pixel Backlighting 800 pixel • MTEF backlighting (at 25 °C) 80 000 h Control elements Imput device Input device Front USB 2.0 (500mA) Touch operation Yes; analog, resistive Installation type/mounting For horizontal and vertical mounting Design as touch screen Yes; analog, resistive Mounting Pane IPC, bulk-in unit Central design Yes Mounting in portrait format possible Yes Mounting in portrait omage scale Yes Mounting in portrait ormat possible Yes Mounting in portrait format possible Yes Mounting in portrait format possible Yes Mounting in portrait format possible Yes Maine buffering Immediate to the scale • Rated value 60 Hz Yes • Rated value 60 Hz Yes • Maine buffering Immediate to the scale • In full configuration 155 W Processor Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core (34330TE (2C/4T, 2.4 GHz, 2 MB Cache		15 in
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Supply voltage Type of supply voltage Inferguency • Rated value 50 Hz • Rated value 60 Hz Yes • Mains/voltage failure stored energy time 10 ms Power loss In full configuration 155 W Processor Processor Chipset Intel DH82C226 PCH Graphic Graphic Optical drives Optical drives DVD±R±RW combi-drive, optional 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM		
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Line frequency • Rated value 50 Hz Yes • Rated value 60 Hz Yes Mains buffering 10 ms • Mains/voltage failure stored energy time 10 ms Power loss In full configuration In full configuration 155 W Processor Processor Processor type Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (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 Intel DH82C226 PCH Graphics controller Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron) Drives Optical drives Optical drives DVD±R±RW combi-drive, optional Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM		
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Processor type Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (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 Intel DH82C226 PCH Graphics controller Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron) Drives DVD±R±RW combi-drive, optional Ard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM	In full configuration	155 W
GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT) Chipset Intel DH82C226 PCH Graphic Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron) Drives Optical drives Optical drives DVD±R±RW combi-drive, optional Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM	Processor	
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 ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM	Processor type	GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache,
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Drives Optical drives DVD±R±RW combi-drive, optional Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM	Graphic	
Optical drives DVD±R±RW combi-drive, optional Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory Type of memory DDR3-1600 DIMM DDR3-1600 DIMM	Graphics controller	
Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM	Drives	
GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM	Optical drives	DVD±R±RW combi-drive, optional
Memory DDR3-1600 DIMM	Hard disk	GB; solid-state drive (SSD) \ge 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA \ge 320 GB byte in removable drive
Type of memory DDR3-1600 DIMM	SSD	Yes; ≥ 240 GB optional
	Memory	
Main memory 2 / 4 / 8 / 16 GB; ECC optional	Type of memory	DDR3-1600 DIMM
	Main memory	2 / 4 / 8 / 16 GB; ECC optional

Capacity of main memory, may	16 Chute
Capacity of main memory, max.	16 Gbyte
Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags), max.	2 Mbyte; 128 KB can be stored in the buffer time; optional
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
Interfaces	
PROFIBUS/MPI	Optionally onboard, isolated, max. 12 Mbit/s, compatible with CP 5622
Number of industrial Ethernet interfaces	2; 2x RJ45 (independent)
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 / 1 000 Mbit, RJ45
— 100 Mbps	Yes
— 1000 Mbps	Yes
Interrupts/diagnostics/status information	
Bus diagnostics	Yes
Integrated 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 electricity	
Interference immunity against discharge of static	±6 kV contact discharge acc. to IEC 61000-4-2; ±8 kV air discharge acc. to IEC
electricity	61000-4-2
Interference immunity against high-frequency electromagnetic field	
 Interference immunity against high frequency radiation 	10 V/m for 80 - 1 000 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
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
• UL 508	Yes
CULus PCM (formativ C TICK)	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	
• 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 $^\circ\mathrm{C}$ (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 $9.8\ m/s^2$ (1 g)
Shock testing	
 Shock load during operation 	Tested to DIN IEC 60068-2-29: 50 m/s ² (5 g), 30 ms, 100 shocks
Operating systems	
pre-installed operating system	Windows 7 Ultimate, 32-bit/64-bit, MUI; Windows Embedded Standard 7 P, 32- bit, MUI; Windows 10 Enterprise 2015 or 2016 LTSB, 64-bit, MUI
without operating system	Yes
pre-installed operating system	
• Windows 7	Yes; Ultimate 32 bit or 64 bit
Windows 10 Enterprise	Yes; Windows 10 Enterprise 2015 or 2016 LTSB, 64-bit, MUI
oftware	
SIMATIC Software	Optional package with SIMATIC WinCC or WinAC RTX
limensions	
Width of the housing front	415 mm
Height of housing front	310 mm
Mounting cutout, width	396 mm
Mounting cutout, height	291 mm
Overall depth	112 mm
 additional mounting depth (optical drive) 	26 mm
Veights	
Weight, approx.	12 kg

last modified:

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