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Data sheet 6AV7260-0GA20-0BX3

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 XEON E3-1268LV3 (4C/8T, 2.3 (3.3) GHz, 8 MB cache VT-D, AMT) 500 GB HDD SATA; 4 GB DDR3 1600 DIMM; 2x PCI without expansion (HW) Windows 7 Ultimate 64 bit SP1, MUI (de, en, fr, es, it) without expansion (software) AC 110/230V industrial power supply unit with NAMUR; Power supply cable USA

Display	
Design of display	15" TFT touch
Screen diagonal	15 in
Resolution (pixels)	
● Horizontal image resolution	1 280 pixel
● Vertical image resolution	800 pixel
Backlighting	
● MTBF backlighting (at 25 °C)	80 000 h
Control elements	
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
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
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	
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
Storage	
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), max.	2 Mbyte; 128 KB can be stored in the buffer time; optional
Hardware configuration	
Slots	
● Number of PCI slots	2

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● Number of PCI slots	2		
Interfaces			
Number of industrial Ethernet interfaces	2; 2x RJ45 (independent)		
Number of PROFINET interfaces	3; Optional		
serial interface	1x COM1 (RS 232), optional: 1x COM2 (RS 232)		
Video interfaces			
● Graphics interface	1x DisplayPort and 1x DVI-I; 1x VGA via adapter cable (optional)		
Industrial Ethernet			
● Industrial Ethernet interface			
— 100 Mbps	Yes		
— 1000 Mbps	Yes		
Interrupts/diagnostics/status information			
LED status display	Yes		
Bus diagnostics	Yes		
Integrated Functions			
Monitoring functions			
● Temperature monitoring	Yes		
● Fan	Yes		
● Monitoring function via network	Optional		
Degree and class of protection			
IP degree of protection	IP20		
IP (at the front)	IP65		
IP (rear)	IP20		
Standards, approvals, certificates			
CE mark	Yes		
UL approval	Yes		
● UL 508	Yes		
cULus	Yes		
RCM (formerly C-TICK)	Yes		
KC approval	Yes		
FCC	Yes		
Ambient conditions			
Ambient temperature during operation			
● min.	5 °C		
● max.	45 °C		
Ambient temperature during storage/transportation			
● min.	-20 °C		
● max.	60 °C		
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 (1 g)		
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		
Dimensions			
Width of the housing front	415 mm		
Height of housing front	310 mm		
Mounting cutout, width	396 mm		
Mounting cutout, height	291 mm		
mounting depth	112 mm		
Weights			
Weight, approx.	12 kg		
Classifications			
		Version	**Classification**

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eClass	16	19-20-01-03
eClass	14	19-20-01-03
eClass	12	19-20-01-03
eClass	9.1	19-20-01-03
eClass	9	19-20-01-03
eClass	8	27-24-23-01
eClass	7.1	27-24-23-01
eClass	6	27-24-23-01
ETIM	10	EC001414
ETIM	9	EC001414
ETIM	8	EC001414
ETIM	7	EC001414

Approvals / Certificates

General Product Approval

Miscellaneous

Manufacturer Declaration

General Product Approval

BIS CRS

China RoHS

Dangerous goods

Dangerous goods information

Test Summary Report UN 38.3

Dangerous goods information

Test Summary Report UN 38.3

Environment

Environmental Confirmations

Environmental Confirmations

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