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Data sheet 6AV7230-0CA20-2AA0

*** no longer available *** SIMATIC IPC377E (basic panel PC) 1x display port graphic; 1x VGA port graphic; 2x 10/100/1000 Mbps Ethernet RJ45; 2x USB 3.0; 2x USB 2.0; 4x serial ports (COM); 12" touch (1280 x 800); Celeron N3160 (4C/4T); 4 GB RAM; 1x mPCIe / 1x mSATA; Windows 10 Enterprise 2016 LTSB, 64 bit; MUI (en,de,fr,it,es); Without drive; 24 V DC power supply; installation, VESA mounting

General information	
Product type designation	IPC377E
Installation type/mounting	
Mounting	Panel mount and VESA, horizontal and vertical
Design	Panel PC, built-in unit
Supply voltage	
Type of supply voltage	24 V DC
Mains buffering	
● Mains/voltage failure stored energy time	10 ms
Processor	
Processor type	Intel Celeron N3160
Drives	
Hard disk	1 TB HDD
SSD	Yes; 256 GB SSD
Storage	
Type of memory	DDR3L
Main memory	4 GB, 8 GB
Capacity of main memory, max.	8 Gbyte
Interfaces	
Number of industrial Ethernet interfaces	2; 2x RJ45 (independent)
Video interfaces	
● Graphics interface	1x DisplayPort, 1x VGA
Industrial Ethernet	
● Industrial Ethernet interface	
— 100 Mbps	Yes
— 1000 Mbps	Yes
Protocols	
Protocols (Ethernet)	
● TCP/IP	Yes
Interrupts/diagnostics/status information	
LED status display	POWER, HDD
Integrated Functions	
Monitoring functions	
● Temperature monitoring	Yes
● Fan	No
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP40
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
EAC (formerly Gost-R)	Yes
FCC	Yes
Dust protection	Protection against foreign bodies > 1 mm

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Ambient conditions	
Ambient temperature during operation	
● min.	0 °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 (Multi-Language), 64 bit; Windows 10 Enterprise 2016 LTSB, 64 bit
without operating system	Yes
Approvals / Certificates	

General Product Approval

EG-Konf.		Manufacturer Declaration	CB	Miscellaneous	RCM

General Product Approval	EMV	Dangerous goods			
BIS CRS	RCM	Dangerous goods information	Test Summary Report UN 38.3	Dangerous goods information	Test Summary Report UN 38.3

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